NOVOCASTRA

EXTENSIVELY TESTED, IHC ANTIBODIES AND REAGENTS



Advancing Cancer Diagnostics Improving Lives



STAINING QUALITY ISN'T AN OPTION



NOVOCASTRA IHC REAGENT SOLUTION

Behind every sample in your laboratory there is a patient needing answers. They are anxiously waiting for life-changing results. They rely on your quality for an accurate diagnosis. They depend on your efficiency to avoid delays. And they hope for increased speed to get critical answers, and start vital treatment, sooner.

Novocastra delivers a range of reagent solutions to suit your needs: IHC antibodies, detection systems and ancillary reagents designed for both fully automated and manual workflows, all to help you deliver high quality and reliable staining that supports patient care.



IT'S YOUR CHOICE

Robust Antibodies

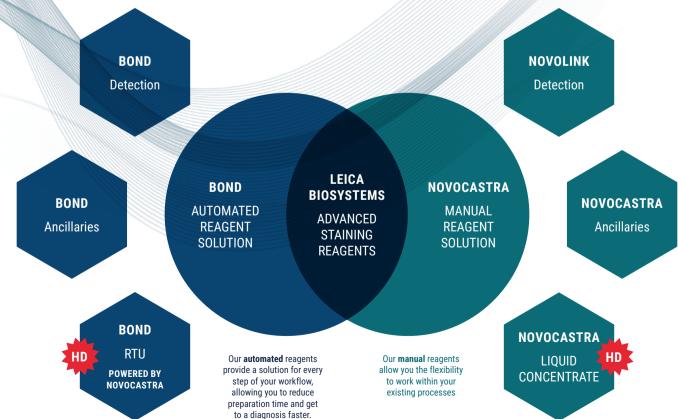
In-house development ensures high quality real-world performance.

Automated Detection

Compact Polymer technology with small multifunctional linkers to enhance tissue penetration for visualization.

A Complete System

Antibodies, diluent and detection all working together.



NOVOCASTRA ANTIBODIES



Spanning across 14 pathologies, Leica Biosystems offers laboratories a comprehensive range of clinically relevant antibodies which can satisfy the demand for the most demanding workload. The Novocastra range of antibodies aims to provide labs with high quality, reliable staining that supports optimal patient care.

A COMPREHENSIVE RANGE OF FORMATS

Novocastra HD introduces a comprehensive range of formats and sizes of antibodies from Leica Biosystems, making it easy for you to align the right products to your case-load and format preferences. The Novocastra range includes an extended range of liquid concentrates, and BOND Ready-to-Use products optimized for use on the fully-automated BOND staining platforms.

NOVOCASTRA BOND RTU

BOND Ready-to-Use antibodies are optimized to deliver high quality staining results on BOND systems. This format eliminates variability in antibody preparation, reducing hands-on time. Pre-optimized reagents and automated protocols deliver consistent results you can rely on.



7 mL

13.5 mL

30 mL

NOVOCASTRA LIQUID CONCENTRATES

The Novocastra liquid concentrated antibody range is an extensive collection of primary antibodies for IHC testing. Concentrated antibodies afford workflow flexibility, enabling users to optimize their protocols according to their pre-analytical conditions.



 $0.5 \, \mathrm{ml}$



2 mL

NOVOCASTRA HD

We analyzed over 80,000 points of data from laboratories and pathologists world-wide, to provide a range of antibodies designed for your IHC needs.

With an ever increasing choice of antibodies in the market, selecting the right products that deliver the performance you demand is not always straightforward. Novocastra HD antibodies are Novocastra antibodies which have been independently evaluated by external QA, NordiQC, in comparison with equivalent products from other vendors. The Novocastra HD range is comprised of the most clinically relevant clones designed to deliver quality, regardless of which antibody is selected by the Pathologist.

INDEPENDENTLY BENCHMARKED FOR RESULTS YOU CAN RELY ON

The Novocastra HD BOND RTU range, utilizing BOND Detection and the BOND-III, provides pathologists with an entire solution, optimized and designed to deliver superior staining up to 40% faster than other IHC systems. NordiQC defines staining performance as either Optimal, Good and Borderline:

OPTIMAL STAINING

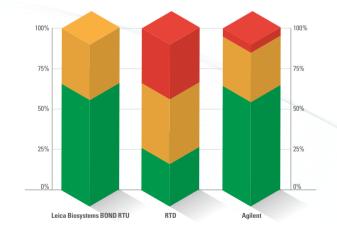
Staining considered perfect or close to.

GOOD STAINING

Staining is considered fully acceptable. However, the protocol may be optimized to ensure the best staining intensity and signal-to-noise ratio.

BORDERLINE STAINING

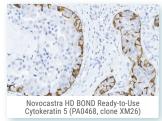
Staining is considered insufficient, eg, because of a generally too weak staining or a false negative or false positive staining reaction. The protocol should be optimized.



Graph shows the % of RTU antibodies per vendor within each staining category as defined by NordiQC.

CYTOKERATIN 5

A comparison of CK5 Ready-to-Use antibodies from leading manufacturers on human breast cancer, ductal carcinoma in situ.







BOND system, using BOND Ready-to-Use Cytokeratin 5, demonstrates high quality staining when compared directly to Ready-to-Use antibodies from other leading manufacturers on serially cut sections of human breast cancer; ductal carcinoma in situ. Images supplied by NordiQC.

AUTOMATED IHC

A FULLY INTEGRATED, AUTOMATION SOLUTION

Designed and optimized to work together, the BOND platform coupled with the BOND detection systems, BOND ancillaries and Novocastra BOND RTU's provide the diagnostic confidence that pathologist's expect and the optimized efficiency lab's demand.

BOND-III



Consistent 2.5 hour case TAT

BOND DETECTION



A perfect balance between sensitivity and specificity

BOND ANCILLARIES



Designed for use with the BOND to produce optimal staining conditions

BOND RTU'S



Enabling optimized efficiency and reliable consistency

IMPROVED QUALITY

BOND DETECTION SYSTEMS

BOND POLYMER REFINE DETECTION

A biotin-free, state-of-the-art compact Polymer horseradish peroxidase (HRP) detection systems Provides intense, high resolution staining.

BOND POLYMER REFINE RED DETECTION

A biotin-free alkaline phospatase (AP)-linked compact polymer provides enhanced tissue penetration for optimal staining quality.

CHROMOPLEX 1 DUAL DETECTION FOR BOND

A one step parallel staining detection system with two distinctive chromogens (red and brown) on a single slide to give a faster, more comprehensive result for clinical assessment.

BOND ANCILLARIES

BOND DEWAX SOLUTION

BOND WASH SOLUTION

BOND EPITOPE RETRIEVAL SOLUTION

BOND PRIMARY ANTIBODY DILUENT

BOND ENZYME PRETREATMENT KIT

BOND DAB ENHANCER

ANTI-FLUORESCEIN ANTIBODY

ANTI-BIOTIN ANTIBODY BOND UNIVERSAL COVERTILE

MANUALIHC

NOVOLINK DETECTION SYSTEMS

The Novolink Polymer Detection Systems utilize a Compact Polymer technology. Therefore, the problem of non-specific staining that can occur with Streptavidin/Biotin detection systems due to endogenous biotin does not occur. Novolink Polymer Detection Systems contain pre-diluted, reagents in color coded bottles for ease of use and ultimate convenience.



NOVOLINK MAX POLYMER DETECTION SYSTEM

1250 Tests

NOVOLINK POLYMER DETECTION SYSTEM

250 or 500 Tests

NOVOLINK MIN POLYMER DETECTION SYSTEM

50 Tests

PEROXIDASE BLOCK PROTEIN BLOCK

HEMATOXYLIN

NOVOLINK POLYMER NOVOLINK DAB (POLYMER)

NOVOCASTRA DETECTION ANCILLARIES

ANTIBODY DILUENT

ENZYME PROTEINASE K (IHC)

EPITOPE RETRIEVAL SOLUTIONS PH6

EPITOPE RETRIEVAL SOLUTIONS PH8

EPITOPE RETRIEVAL SOLUTIONS PH9



Novolink Polymer Detection System (RE7150-K) staining for Cytokeratin 5 with NCL-L-CK5 on breast carcinoma (paraffin section)

				CON	CENTRAT	TES (MANU	IAL)	RTU	(AUTOMATED)	DATUGLOGY MENU
NAME	CLONE	PRODUCT CODE	HD	0.5 mL	1 mL	2 mL	2.5 mL	7 mL	13.5 mL 30 mL	PATHOLOGY MENU
Akt (Phosphorylated)	LP18	NCL-L-AKT-Phos			1 mL					SPECIALIZED
Androgen Receptor	AR27	NCL-L-AR-318			1 mL					UROPATHOLOGY
ALK	5A4	PA0831	HD					7 mL		LUNG PATHOLOGY
ALK	5A4	NCL-L-ALK	HD	0.5 mL						HEMATOPATHOLOGY
	00	NCL-L-AFP			1 mL					OVINED LETTER COV
Alpha Fetoprotein	C3	PA0963						7 mL		GYNEPATHOLOGY
Alpha-Methylacyl-CoA Racemase (AMACR,	EPMU1	NCL-L-AMACR			1 mL					UROPATHOLOGY
0504s)	LIWOT	PA0210						7 mL		OKOT ATTIOLOGT
Alpha-Synuclein	KM51	NCL-L-ASYN			1 mL					NEUROPATHOLOGY
Uropathologyra Kinase 2	JLM28	NCL-L-AK2			1 mL					SPECIALIZED
3 Cell Specific Octamer Binding Protein-1	T04.4	NCL-L-BOB-1			1 mL					
BOB-1)	TG14	PA0558						7 mL		HEMATOPATHOLOGY
2al 2 Onconvertain	hal 2/100/DE	NCL-L-bcl-2	HD		1 mL					LIEMATORATUOI OCV
3cl-2 Oncoprotein	bcl-2/100/D5	PA0117	HD					7 mL		HEMATOPATHOLOGY
3cl-6 Oncoprotein	LN22	NCL-L-Bcl-6-564	HD		1 mL					HEMATOPATHOLOGY
or o oncoprotein	LIVAL	PA0204	HD					7 mL		HEMATOPATHOEOGT
Beta-Catenin	17C2	NCL-L-B-CAT			1 mL					SOFT TISSUE PATHOLOGY
ota outcimi	1702	PA0083						7 mL		PATHOLOGY
eta-Dystroglycan	43DAG1/8D5	NCL-b-DG			1 mL					MUSCLE PATHOLOGY
	CB11	NCL-L-CB11			1 mL					
-erbB-2 Oncoprotein (HER-2) Antibodies		PA0983						7 mL		BREAST PATHOLOGY
elbb 2 olicoprotein (HER 2) Antibodies		PA0571							13.5 mL	DREAST FATHOLOGY
	10A7	NCL-L-CBE-356			1 mL					
A19-9 (Sialyl Lewis a)	C241:5:1:4	NCL-L-CA19-9			1 mL					GASTROINTESTINAL
		PA0424						7 mL		PATHOLOGY
A125 (Ovarian Cancer Antigen)	Ov185:1	NCL-L-CA125	HD		1 mL					GYNEPATHOLOGY
. (PA0539	HD					7 mL		
Calcitonin	CL1948	NCL-L-CALCITONIN			1 mL					HEAD, NECK AND ENDOCHRINE
		PA0406						7 mL		PATHOLOGY
Calpain Antibodies	Calp3c/12A2	NCL-CALP-12A2					2.5 mL			MUSCLE PATHOLOGY
	Calp3d/2C4	NCL-CALP-2C4					2.5 mL			
Calponin (Basic)	26A11	PA0416	_					7 mL		MUSCLE PATHOLOGY
Calretinin	CAL6	NCL-L-CALRET-566	HD		1 mL					LUNG PATHOLOGY
		PA0346	HD					7 mL		
Carbonic Anhydrase IX	TH22	NCL-L-CAIX	_		1 mL					UROPATHOLOGY
	COL-1	NCL-L-CEA-609	HD		1 mL					CASTROINTESTINAL
arcinoembryonic Antigen (CD66e)		PA0848	HD					7 mL		GASTROINTESTINAL PATHOLOGY
	12-140-10	NCL-L-CEA-2			1 mL					
aveolin-1	4D6	NCL-L-Caveolin-1			1 mL					SPECIALIZED
D1a	MTB1	NCL-L-CD1a-235	HD		1 mL					DERMATOPATHOLOG
		PA0235	HD					7 mL		
D2 (LFA-2)	11F11	PA0271						7 mL		HEMATOPATHOLOGY
	AB75	NCL-L-CD2-271			1 mL					
CD3		NCL-L-CD3-565	HD		1 mL					
	LN10	PA0553	HD					7 mL		HEMATOPATHOLOGY
		PA0122	HD						30 mL	

NAME .	al ONE	PROPUST CORE		CON	CENTRAT	ES (MAN	UAL)	RTU	(AUTOMA	ATED)	DATUS ON MENU
NAME	CLONE	PRODUCT CODE	HD	0.5 mL	1 mL	2 mL	2.5 mL	7 mL	13.5 mL	30 mL	PATHOLOGY MENU
CD4	4B12	NCL-L-CD4-368	HD		1 mL						HEMATOPATHOLOGY
054	7012	PA0427	HD					7 mL			TIEMATOT ATTICECT
CD5	4C7	NCL-L-CD5-4C7	HD		1 mL						HEMATOPATHOLOGY
	107	PA0168	HD					7 mL			
CD7	LP15	NCL-L-CD7-580	HD		1 mL						HEMATOPATHOLOGY
		PA0266	HD					7 mL			
CD8	4B11	NCL-L-CD8-4B11	HD		1 mL						HEMATOPATHOLOGY
		PA0183	HD					7 mL			
		NCL-L-CD10-270	HD		1 mL						
CD10	56C6	PA0270	HD					7 mL			HEMATOPATHOLOGY
		PA0131	HD							30 mL	
CD11c	5D11	NCL-L-CD11c-563	HD		1 mL						HEMATOPATHOLOGY
		PA0554	HD					7 mL			
CD13	38C12	NCL-L-CD13-304			1 mL						HEMATOPATHOLOGY
		PA0304						7 mL			
CD15	MMA	NCL-L-CD15-605	HD		1 mL						HEMATOPATHOLOGY
		PA0473						7 mL			
CD16	2H7	NCL-L-CD16			1 mL						HEMATOPATHOLOGY
0040	DTEAE	NCL-L-CD19-163	HD		1 mL						UELLA TORA TUOLOGY
CD19	BT51E	PA0843	HD					7 mL			HEMATOPATHOLOGY
		NCL-L-CD20-L26	HD		1 mL						
CD20	L26	PA0200	HD					7 mL			HEMATOPATHOLOGY
		PA0359	HD							30 mL	
0004	200	NCL-L-CD21-2G9			1 mL						UELLATORATUOLOGY
CD21	2G9	PA0171						7 mL			HEMATOPATHOLOGY
CD22	FPC1	PA0249						7 mL			HEMATOPATHOLOGY
		NCL-L-CD23-1B12	HD		1 mL						
CD23	1B12	PA0169	HD					7 mL			HEMATOPATHOLOGY
CD25	4C9	PA0305						7 mL			HEMATOPATHOLOGY
		NCL-L-CD30-591			1 mL						
CD30	JCM182	PA0790						7 mL			HEMATOPATHOLOGY
		NCL-L-CD31-607	HD		1 mL			7 1112			
CD31 (PECAM-1)	JC70A	PA0414	HD					7 mL			SOFT TISSUE PATHOLOGY
ODOT (I LONINT)	1A10	PA0250	1112					7 mL			PATHOLOGY
	IAIU	NCL-L-CD33	HD		1 mL			/ IIIE			
CD33	PWS44	PA0555	HD					7 mL			HEMATOPATHOLOGY
		NCL-L-END	HD	0.5 mL	1 mL			/ IIIE			
CD34 (Endothelial Cell Marker)	QBEnd/10	PA0212	HD	0.5 IIIL	1 11112			7 mL			SOFT TISSUE PATHOLOGY
Copo- (Endothenal dell Marker)	QDENG/10	PA0354	HD					7		30 mL	PATHOLOGY
CD38	SPC32	NCL-L-CD38-290	1112		1 ml					30 IIIL	HEMATORATHOLOGY
0000	3F 03Z				1 mL						HEMATOPATHOLOGY
CD43	MT1	NCL-L-MT1			1 mL			71			HEMATOPATHOLOGY
		PA0938	440					7 mL			
CD45	X16/99	NCL-L-LCA	HD		1 mL			7			HEMATOPATHOLOGY
		PA0042	HD					7 mL			
CD45RO	UCHL1	NCL-L-UCHL1			1 mL						HEMATOPATHOLOGY
		PA0146						7 mL			

NAME	CLONE	PRODUCT CODE	HD	CON	CENTRAT	ES (MANUAL)	RTU	(AUTOMA	PATHOLOGY MENU	
	020112	1 1105001 0052		0.5 mL	1 mL	2 mL 2.5 mL	7 mL	13.5 mL	30 mL	THE STATE OF THE S
D56 (NCAM)	CD564	NCL-L-CD56-504	HD		1 mL					HEMATOPATHOLOGY
,		PA0191	HD				7 mL			
057	NK-1	PA0443					7 mL			HEMATOPATHOLOGY
061 (GPIIIa)	2f2	PA0308					7 mL			HEMATOPATHOLOGY
D68	514H12	NCL-L-CD68	HD		1 mL					HEMATOPATHOLOGY
		PA0273	HD				7 mL			
071	10F11	NCL-L-CD71-309			1 mL					SPECIALIZED
079a	JCB117	NCL-L-CD79a-599	HD		1 mL					HEMATOPATHOLOG ¹
		PA0599					7 mL			
079b	JS01	NCL-L-CD79b	_		1 mL					HEMATOPATHOLOG\
999	PCB1	NCL-L-CD99-187	HD		1 mL					SOFT TISSUE PATHOLOGY
0103	EP206	PA0374					7 mL			HEMATOPATHOLOGY
		NCL-L-CD117-032	HD		1 mL					
0117	EP10	PA0007	HD				7 mL			GASTROINTESTINAL PATHOLOGY
	T595	NCL-L-CD117			1 mL					
123	BR4MS	NCL-L-CD123			1 mL					HEMATOPATHOLOG ¹
138 (Syndecan 1)	MI15	PA0088	HD				7 mL			HEMATOPATHOLOG [®]
141 (Thrombomodulin)	15C8	NCL-L-CD141			1 mL					SPECIALIZED
146 (MCAM)	N1238	NCL-L-CD146			1 mL					DERMATOPATHOLO
		NCL-L-CD163	HD		1 mL					
163	10D6	PA0090	HD				7 mL			HEMATOPATHOLOG [®]
X2	EP25	PA0375	HD				7 mL			GASTROINTESTINAL PATHOLOGY
		NCL-L-CHROM-430	HD		1 mL					
romogranin A	5H7	PA0515	HD				7 mL			HEAD, NECK AND ENDOCHRINE PATHOLOGY
LA-4	CAL49	PA0181					7 mL			IMMUNO ONCOLOGY
	EP12	PA0046	HD				7 mL			
clin D1	P2D11F11	NCL-L-CYCLIND1-GM			1 mL					HEMATOPATHOLOG
		NCL-L-CK5	HD		1 mL					
tokeratin 5	XM26	PA0468	HD				7 mL			UROPATHOLOGY
		NCL-L-CK7-560	HD		1 mL					
tokeratin 7	RN7	PA0942	HD				7 mL			TUMOR DIFFERENTIATION
tokeratiii 7		PA0138	HD						30 mL	DIFFERENTIATION
	OV-TL 12/30	NCL-L-CK7-0VTL			1 mL					
tokeratin 8	TS1	NCL-L-CK8-TS1			1 mL					SPECIALIZED
		PA0567	_				7 mL			
tokeratin 14	LL002	NCL-L-LL002	HD		1 mL					TUMOR DIFFERENTIATION
		PA0074	HD				7 mL			
rtokeratin 17	E3	NCL-L-CK17			1 mL		7.001			TUMOR DIFFERENTIATION
tokoratin 10	DO 10	PA0114			11		7 mL			
tokeratin 18	DC-10	NCL-L-CK18			1 mL					SPECIALIZED
rtokeratin 19	b170	NCL-L-CK19			1 mL		71			HEAD, NECK AND Endochrine Pathology
		PA0799					7 mL			PATHULUGY

				CON	CENTRAT	ES (MANU	IAL)	RTU	(AUTOM	ATED)	
NAME	CLONE	PRODUCT CODE	HD	0.5 mL	1 mL	2 mL	2.5 mL	7 mL	13.5 mL	30 mL	PATHOLOGY MENU
		NCL-L-CK20	HD		1 mL						
Cytokeratin 20	Ks20.8	PA0022	HD					7 mL			TUMOR
Cytokeratiii 20		PA0037	HD							30 mL	DIFFERENTIATION
	PW31	NCL-L-CK20-561			1 mL						
Cytokeratin (5/6/18)	LP34	NCL-L-LP34			1 mL						UROPATHOLOGY
Cytokeratin (8/18)	5D3	NCL-L-5D3			1 mL						TUMOR DIFFERENTIATION
Oytokeraliii (0, 10)	050	PA0067						7 mL			DIFFERENTIATION
Cytokeratin, Multi (1/5/10/14)	34BetaE12	PA0134						7 mL			TUMOR DIFFERENTIATION
Cytokeratin, Multi (4/5/6/8/10/13/18)	C-11	NCL-L-C11			1 mL						TUMOR DIFFERENTIATION
Cytokeratin, Multi (5/6/8/18)	5D3/LP34	NCL-L-CK5/6/8/18			1 mL						TUMOR DIFFERENTIATION
	AE1/AE3	PA0094						7 mL			
Cytokeratin, Multi (AE1/AE3)	AE1/AE3	NCL-L-AE1/AE3	HD		1 mL						TUMOR DIFFERENTIATION
	(Previous Formulation)	PA0909	HD					7 mL			
Desmin	DE-R-11	NCL-L-DES-DERII	HD		1 mL						SOFT TISSUE
Desimil	DETETT	PA0032	HD					7 mL			PATHOLOGY
DOG-1	K9	NCL-L-DOG-1	HD		1 mL						GASTROINTESTINAL
000-1	1.7	PA0219	HD					7 mL			PATHOLOGY
Dysferlin Antibodies	Ham1/7B6	NCL-HAMLET			1 mL						MUSCLE PATHOLOGY
Dysteriii Aittibudes	Ham3/17B2	NCL-HAMLET-2			1 mL						MOSCELIATIOEGGI
	DYSA: clone 13H6	NCL-DYSA			1 mL						
	DYSB: clone 34C5	NCL-DYSB			1 mL						
Dystrophin Antibodies	DYS1: clone Dy4/6D3	NCL-DYS1			1 mL						MUSCLE PATHOLOGY
	DYS2: clone DY8/6C5	NCL-DYS2			1 mL						
	DYS3: clone DY10/12B2	NCL-DYS3			1 mL						
E-Cadherin	36B5	NCL-L-E-Cad	HD	0.5 mL	1 mL						BREAST PATHOLOGY
		PA0387	HD					7 mL			
Emerin	4G5	NCL-EMERIN			1 mL						MUSCLE PATHOLOGY
Epidermal Growth Factor Receptor	EGFR.113	NCL-L-EGFR	HD		1 mL						LUNG PATHOLOGY
Epithelial Membrane Antigen	GP1.4	NCL-L-EMA			1 mL						TUMOR
Epitileliai Melibralie Antigeli	GF 1.4	PA0035						7 mL			DIFFERENTIATION
		NCL-L-ER-6F11	HD		1 mL						
Estrogen Receptor	6F11	NCL-L-ER-6F11/2	HD			2 mL					BREAST PATHOLOGY
Lottogen recorptor	0111	PA0151	HD					7 mL			DREAGTTATHOLOGY
		PA0009	HD							30 mL	
EZH2 (Enhancer of Zeste Homolog 2	6A10	NCL-L-EZH2			1 mL						SPECIALIZED
(Drosophila))		PA0575						7 mL			
Factor XIIIa (Blood Coagulation Factor XIIIa)	E980.1	NCL-L-FXIIIa			1 mL						SPECIALIZED
, , ,		PA0449						7 mL			
Fascin	IM20	NCL-L-FASCIN PA0420			1 mL			7 mL			HEMATOPATHOLOGY
Folate Receptor Alpha	BN3.2	NCL-L-FRalpha			1 mL						SPECIALIZED
FOXP3	236A/E7	PA0263						7 mL			IMMUNO ONCOLOGY
Galectin-3	9C4	PA0238						7 mL			BREAST PATHOLOGY
Gastrin	Polyclonal	PA0681						7 mL			GASTROINTESTINAL PATHOLOGY
Geminin	EM6	NCL-L-Geminin			1 mL						SPECIALIZED
Condition	LIVIO	HOL E GEIIIIIIII			IIIL						OF EGIACIZED

NAME.	OLONE.	DD ODUGT CODE	445	CON	CENTRAT	ES (MANI	JAL)	RTU	(AUTOM <i>A</i>	TED)	PATUO LONGARINA
NAME	CLONE	PRODUCT CODE	HD	0.5 mL	1 mL	2 mL	2.5 mL	7 mL	13.5 mL	30 mL	PATHOLOGY MENU
Glial Fibrillary Acidic Protein	GA5	NCL-L-GFAP-GA5 PA0026	HD HD		1 mL			7 mL			NEUROPATHOLOGY
Glutathione S-Transferase (GST) Antibody	LW29	NCL-L-GSTpi-438			1 mL						SPECIALIZED
Granzyme B	11F1	NCL-L-GRAN-B PA0291			1 mL			7 mL			HEMATOPATHOLOGY
Gross Cystic Disease Fluid Protein-15	23A3	NCL-L-GCDFP15 PA0708	HD HD		1 mL			7 mL			BREAST PATHOLOGY
Helicobacter pylori	Polyclonal	IHC5994-A						7 mL			GASTROINTESTINAL PATHOLOGY
	ULC3R	NCL-L-HPYLORI	HD		1 mL						PATHULUGY
Human Chorionic Gonadotrophin (beta)	Polyclonal	PA0014						7 mL			GYNEPATHOLOGY
Human Follicle Stimulating Hormone (beta 2) (HFSH)	INN-hFSH-60	PA0693						7 mL			HEAD, NECK AND ENDOCHRINE PATHOLOGY
Human Growth Hormone (HGH)	Polyclonal	PA0704						7 mL			HEAD, NECK AND Endochrine Pathology
Human Herpesvirus 8 (HHV8)	13B10	NCL-L-HHV8-LNA PA0050			1 mL			7 mL			DERMATOPATHOLOGY
mmunoglobulin A	N1CLA	NCL-L-IgA	HD		1 mL						HEMATOPATHOLOGY
mmunoglobulin D	DRN1C	NCL-L-IgD PA0061	HD HD		1 mL			7 mL			HEMATOPATHOLOGY
mmunoglobulin G	RWP49	NCL-L-IgG PA0905	HD		1 mL						HEMATOPATHOLOGY
mmunoglobulin M	8H6	NCL-L-IgM	HD		1 mL			7 mL			HEMATOPATHOLOGY
	Da	PA0278	HD					7 mL			
nhibin Alpha	R1	PA0488			41			7 mL			GYNEPATHOLOGY
	AMY82	NCL-L-InhibinA NCL-L-INSULIN			1 mL						HEAD NECK AND
nsulin	2D11-H5	PA0620			I IIIL			7 mL			HEAD, NECK AND ENDOCHRINE PATHOLOGY
nterleukin 6	10C12	NCL-L-IL6			1 mL						HEMATOPATHOLOGY
Cappa Light Chain	CH15	NCL-L-KAP-581 PA0606	HD HD	0.5 mL	1 mL			7 mL			HEMATOPATHOLOGY
Ki67 Antigen	MM1	NCL-L-KI67-MM1 PA0118 PA0410	HD HD		1 mL			7 mL		30 mL	BREAST PATHOLOGY
	K2	ACK02 PA0230			1 mL			7 mL			
AG-3	12H6	PA0300						7 mL			IMMUNO ONCOLOGY
ambda Light Chain	SHL53	NCL-L-LAM-578 PA0570	HD HD	0.5 mL	1 mL			7 mL			HEMATOPATHOLOGY
angerin	12D6	NCL-L-LANGERIN			1 mL						SPECIALIZED
ysozyme (Muramidase)	Polyclonal	PA0391						7 mL			HEMATOPATHOLOGY
/ammaglobin	EP249	PA0378						7 mL			BREAST PATHOLOGY
Mast Cell Tryptase	10D11	NCL-L-MCTRYP-428			1 mL						HEMATOPATHOLOGY
∧elan A	A103	PA0019 NCL-L-MELANA PA0233	HD HD		1 mL			7 mL			DERMATOPATHOLOGY
		PA0044	HD							30 mL	

				CON	CENTRAT	ES (MAN	IUAL)	RTU	(AUTOMA	TED)	
NAME	CLONE	PRODUCT CODE	HD	0.5 mL	1 mL	2 mL	2.5 mL	7 mL	13.5 mL	30 mL	PATHOLOGY MENU
		NCL-L-HMB45	HD		1 mL						
Melanoma Marker (HMB45)	HMB45	PA0027	HD					7 mL			DERMATOPATHOLOGY
		PA0625	HD							30 mL	
Merosin Laminin Alpha 2 Chain	Mer3/22B2	NCL-MEROSIN			1 mL						MUSCLE PATHOLOGY
Mesothelin	5B2	NCL-L-MESO			1 mL						LUNG PATHOLOGY
		PA0373						7 mL			
Microphthalmia Transcription Factor (MITF)	34CA5	NCL-L-MITF	_		1 mL						DERMATOPATHOLOGY
Mismatch Repair Protein (MLH1)	ES05	NCL-L-MLH1	HD		1 mL						GASTROINTESTINAL PATHOLOGY
		PA0988	HD		41			7 mL			
Mismatch Repair Protein (MSH2)	79H11	NCL-L-MSH2-612 PA0989	HD		1 mL			7 mL			GASTROINTESTINAL
wisinaten kepan Frotein (wisitz)	25D12	NCL-L-MSH2	HD		1 mL			/ IIIL			PATHOLOGY
	EP49	PA0990	HD					7 mL			
Mismatch Repair Protein (MSH6)	PU29	NCL-L-MSH6	HD		1 mL						GASTROINTESTINAL PATHOLOGY
	EP51	PA0991	HD					7 mL			GASTROINTESTINAL
Mismatch Repair Protein (PMS2)	M0R4G	NCL-L-PMS2	HD		1 mL						PATHOLOGY
Muc-1 Glycoprotein	Ma695	PA0051						7 mL			GASTROINTESTINAL PATHOLOGY
Muc-2 Glycoprotein	Ccp58	PA0155						7 mL			GASTROINTESTINAL PATHOLOGY
Muc-4 Glycoprotein	EPR9308	PA0444						7 mL			GASTROINTESTINAL PATHOLOGY
Muc-5AC Glycoprotein	CLH2	PA0052						7 mL			GASTROINTESTINAL PATHOLOGY
Muc-6 Glycoprotein	CLH5	PA0053						7 mL			GASTROINTESTINAL PATHOLOGY
Multiple Myeloma Oncogene 1 (MUM-1)	EAU32	NCL-L-MUM1	HD		1 mL						HEMATOPATHOLOGY
multiple mycloma oncogene i (mom i)	ENOUZ	PA0129	HD					7 mL			TEMATOL ATTOLOGY
	HHF35	NCL-L-MSA			1 mL						
Muscle Pathology Specific Actin		PA0258						7 mL			MUSCLE PATHOLOGY
	SC28	NCL-L-MSA-594			1 mL						
Myeloperoxidase	59A5	NCL-L-MYELO			1 mL			71			HEMATOPATHOLOGY
March 1 (Dischause and a)	5.04	PA0491			41			7 mL			MUSCLE PATHOLOGY
MyoD1 (Rhabdomyosarcoma)	5.8A	NCL-L-MyoD1			1 mL						MUSCLE PAI HULUGI
Myogenin (Myf-4)	L026	NCL-L-Myf-4 PA0226			1 mL			7 mL			MUSCLE PATHOLOGY
Myoglobin	MY018	PA0727						7 mL			MUSCLE PATHOLOGY
myoglobiii	Smooth Muscle Pathology: clone S131	PA0493						7 mL			IIIOOOLL I AIIIOLOOI
	Developmental: clone RNMy2/9D2	NCL-MHCd			1 mL						
Myosin Heavy Chain Antibodies	Fast: clone WB-MHCf	NCL-MHCf			1 mL						MUSCLE PATHOLOGY
	WB-MHCN	NCL-MHCn			1 mL						
	WB-MHCS	NCL-MHCs			1 mL						
Myotilin	RS034	NCL-MYOTILIN			1 mL						MUSCLE PATHOLOGY
Nanain A	ID6.4	NCL-L-NAPSINA	HD		1 mL						LUNC DATUCE COV
Napsin A	IP64	PA0064	HD					7 mL			LUNG PATHOLOGY
Neuropathologyfilament 200kD	N52.1.7	NCL-L-NF200-N52 PA0371	HD HD		1 mL			7 mL			NEUROPATHOLOGY
Neuropathologynepathology Specific Enolase	2209	PA0371 PA0435	IND					7 mL			NEUROPATHOLOGY
rediopatilologyilepatilology Specific Effolase	2209	FAU433						/ IIIL			MEUROPATHULUGY

NAME	CLONE	PRODUCT CODE	HD	CON	ICENTRAT	TES (MANUA	L)	RTU (AUTOMATED)			PATHOLOGY MENU
				0.5 mL	1 mL	2 mL 2	2.5 mL	7 mL	13.5 mL	30 mL	
itric Oxide Synthase 1	NOS-125	NCL-L-NOS-1			1 mL						NEUROPATHOLOGY
ct-2	Oct-207	PA0532						7 mL			HEMATOPATHOLOGY
	N1NK	NCL-L-Oct3/4	HD		1 mL						
ct-3/4	WWW	PA0193	HD					7 mL			GYNEPATHOLOGY
	N1NK (Previous Formulation)	PA0934	HD					7 mL			
steopontin	OP3N	NCL-L-O-PONTIN			1 mL						SPECIALIZED
16	6H12	PA0016	HD					7 mL			HEAD, NECK AND ENDOCHRINE PATHOLOGY
21 (WAF1 Protein)	4D10	NCL-L-WAF-1			1 mL						SPECIALIZED
10	BC28	PA0163	HD								LUNG PATHOLOGY
		NCL-L-p53-D07	HD		1 mL						
53 Protein	D0-7	PA0057	HD					7 mL			BREAST PATHOLOGY
53 Protein (CM5)	Polyclonal	NCL-L-p53-CM5p		0.5 mL							SPECIALIZED
57 Protein (Kip2)	25B2	NCL-L-p57			1 mL						SPECIALIZED
10 D	7.00	NCL-L-p63	HD		1 mL						Upop I Tilol oov
3 Protein	7JUL	PA0103	HD					7 mL			UROPATHOLOGY
20 Catenin	EP66	PA0379						7 mL			BREAST PATHOLOG
arathyroid Hormone (PTH)	105G7	NCL-L-PTH-488			1 mL						HEAD, NECK AND ENDOCHRINE PATHOLOGY
ax-5	1EW	NCL-L-PAX-5	HD		1 mL						HEMATOPATHOLOGY
x-3	IEW	PA0552	HD					7 mL			HEMATOPATHOLOGY
erforin	5B10	NCL-L-PERFORIN			1 mL						HEMATOPATHOLOGY
0-1	CAL20	PA0216						7 mL			IMMUNO ONCOLOGY
D-L1	73-10	PA0832	HD					7 mL			IMMUNO ONCOLOGY
		NCL-L-PLAP-8A9	HD		1 mL						
lacental Alkaline Phosphatase	8A9	PA0161	HD					7 mL			GYNEPATHOLOGY
olo-Like Kinase 1 (PLK-1)	MJS1	NCL-L-PLK-1			1 mL						SPECIALIZED
		NCL-L-PGR-312	HD		1 mL						
	16	NCL-L-PGR-312/2	HD			2 mL					
rogesterone Receptor		PA0312	HD					7 mL			BREAST PATHOLOGY
	1A6	NCL-L-PGR			1 mL						
rogesterone Receptor (A/B Forms)	16/SAN27	NCL-L-PGR-AB			1 mL						BREAST PATHOLOGY
rostate Specific Antigen	35H9	NCL-L-PSA-431	HD		1 mL						UROPATHOLOGY
ostate opeomo / magen	00117	PA0431	HD					7 mL			CHOI AITIGESCI
ostate Specific Membrane Antigen	1D6	NCL-L-PSMA			1 mL						UROPATHOLOGY
ostatic Acid Phosphatase	PASE/4LJ	NCL-L-PAP PA0006			1 mL			7 mL			UROPATHOLOGY
rotein Gene Product 9.5	10A1	NCL-L-PGP9.5 PA0286			1 mL			7 mL			NEUROPATHOLOGY
etinoblastoma Gene Protein	13A10	NCL-L-RB-358			1 mL						SPECIALIZED
		NCL-L-S100-167	HD		1 mL						
-100	EP32	PA0031	HD					7 mL			DERMATOPATHOLOG

NAME	CLONE	PRODUCT CODE	HD	CON	CENTRAT	ES (MAN	UAL)	RTU	(AUTOMA	TED)	- PATHOLOGY MENU
NAWE	CLONE	PRODUCT CODE	חח	0.5 mL	1 mL	2 mL	2.5 mL	7 mL	13.5 mL	30 mL	PATROLOGY MENO
	Alpha: clone Ad1/20A6	NCL-L-a-SARC			1 mL						
	Beta: clone bSarc1/5B1	NCL-L-b-SARC			1 mL						AUTON E BATHOLOGY
Sarcoglycan Antibodies	Delta: clone dSarc3/12C1	NCL-d-SARC			1 mL						MUSCLE PATHOLOGY
	Gamma: clone 35DAG/21B5	NCL-g-SARC			1 mL						
Serotonin	Polyclonal	PA0736						7 mL			GASTROINTESTINAL PATHOLOGY
SMA (Alpha Smooth Muscle Pathology Actin)	alpha sm-1	NCL-L-SMA	HD		1 mL						MUSCLE PATHOLOGY
om (inpid officer massic r among) ricking	a.p.i.a o.i.i i	PA0943	HD					7 mL			
Spectrin	RBC2/3D5	NCL-SPEC1			1 mL						MUSCLE PATHOLOGY
Surfactant Protein A	32E12	NCL-L-SP-A			1 mL						LUNG PATHOLOGY
Synaptophysin	27G12	NCL-L-SYNAP-299 PA0299	HD		1 mL			7 mL			HEAD, NECK AND ENDOCHRINE PATHOLOGY
		NCL-L-TRAP	III		1 mL			7 IIIL			TATHOLOGY
Tartrate-Resistant Acid Phosphatase (TRAP)	26E5	PA0093						7 mL			HEMATOPATHOLOGY
Terminal Decympologidal Transference	CENI20	NCL-L-TDT-339	HD		1 mL						UEMATORATURI COV
Terminal Deoxynucleotidyl Transferase	SEN28	PA0339	HD					7 mL			HEMATOPATHOLOGY
Thyroglobulin	1D4	NCL-L-THY			1 mL						HEAD, NECK AND ENDOCHRINE PATHOLOGY
Thyroid Peroxidase	AC25	NCL-L-TPO			1 mL						HEAD, NECK AND ENDOCHRINE PATHOLOGY
Thursday Chiman Islaman and	002/6	NCL-L-TSH			1 mL						HEAD, NECK AND ENDOCHRINE
Fhyroid Stimulating Hormone	QB2/6	PA0776						7 mL			PATHOLOGY
Thyroid Transcription Factor-1	SPT24	NCL-L-TTF-1	HD		1 mL						LUNG PATHOLOGY
, ,		PA0364	HD					7 mL			
TIM-3	EPR22241	PA0360						7 mL			IMMUNO ONCOLOGY
Fopoisomerase I	1D6	NCL-L-TOPO I			1 mL						SPECIALIZED
Topoisomerase II Alpha	3F6	NCL-L-TOPOIIA			1 mL						SPECIALIZED
Tyrosinase	T311	NCL-L-TYROS			1 mL						DERMATOPATHOLOGY
		PA0322						7 mL			
yrosine Hydroxylase	1B5	NCL-L-TH			1 mL						NEUROPATHOLOGY
Utrophin	DRP3/20C5	NCL-DRP2					1 mL				MUSCLE PATHOLOGY
/ascular Endothelial Growth Factor Receptor-3	KLT9	NCL-L-VEGFR-3			1 mL						SPECIALIZED
/illin	CWWB1	NCL-L-VILLIN			1 mL						GASTROINTESTINAL PATHOLOGY
	V9	NCL-L-VIM-V9	HD		1 mL						
Vimentin	V 7	PA0640	HD					7 mL			TUMOR DIFFERENTIATION
	SRL33	NCL-L-VIM-572			1 mL						
on Willebrand Factor Factor VIII-related antigen)	36B11	NCL-L-vWF PA0055			1 mL			7 mL			SOFT TISSUE PATHOLOGY
Wilms' Tumor	WT49	NCL-L-WT1-562 PA0562	HD HD		1 mL			7 mL			UROPATHOLOGY
		NCL-L-ZAP-70			1 mL						
Zap-70	L453R	PA0998						7 mL			HEMATOPATHOLOGY
Negative Control (Mouse)	MOPC-21	PA0996						7 mL			CONTROL
Negative Control (Rabbit)	Polyclonal	PA0777						7 mL			CONTROL



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¹ Independent analysis commissioned by Leica Biosystems and conducted by NordiQC according to the manufacturers' instructions for use and on the corresponding staining platform 2 For recommended protocols see instructions for use. Any deviation from recommended conditions must be validated by the user.

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