



RABBIT CLONAL MONOSPECIFIC ANTIBODIES

IHC-P application



DB Biotech is focused on the design and production of high quality rabbit clonal antibodies developed by a novel and proprietary in vitro cloning technology which has been developed and perfected by the DB Biotech scientific team. Our unique technology enables the preparation of a pure immunoglobulin fraction corresponding to a single clone of B lymphocytes. The obtained immunoglobulin recognizes only one single linear epitope on the antigen molecule, making a DB Biotech antibody comparable in quality to its monoclonal analogue. In addition, the influence of the protein tertiary structure - frequently present in epitopes formed during production of monoclonal antibodies - is eliminated in the immunoglobulins corresponding to the clonal antibody.

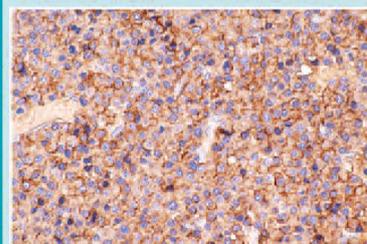
DB Biotech produced antibodies correspond **strictly to the conserved linear epitope of the antigen** molecule, yielding a higher-quality, more specific antibody with significantly better affinity and avidity.

- NEW QUALITY OF ANTIBODIES ON THE MARKET**
made by original technology developed and owned by DB BIOTECH
- HIGHEST SPECIFICITY, AFFINITY AND AVIDITY**
for IHC diagnostics
- MONOSPECIFIC**, recognizing only the specific **LINEAR** epitope not conformational as many monoclonal antibodies

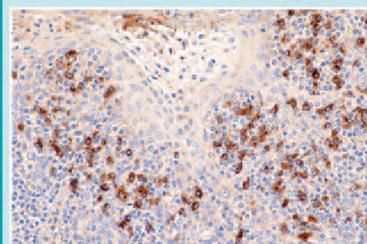


DB BIOTECH ANTIBODIES OFFER:

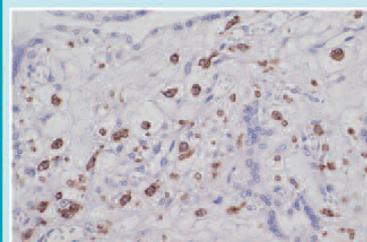
- SOLUTION** for problematic targets
- HIGHER QUALITY** and **DILUTION** for established markers
- RELIABILITY** on any **TISSUE**
- EXCEPTIONAL SPECIFICITY** recognizing corresponding antigen at the concentration of $\geq 5\text{ng}$



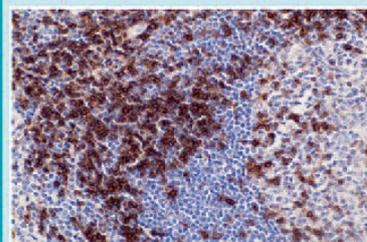
DB037
Kappa light chain



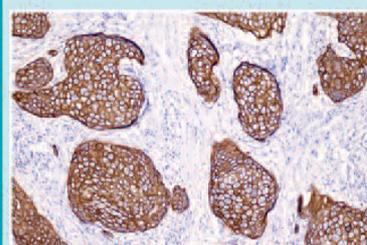
DB039
Lambda light chain



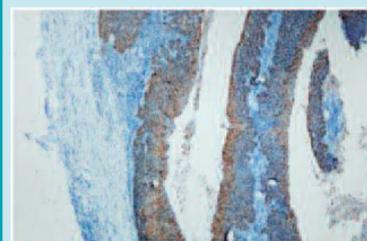
DB045 CD163



DB027 CD5



DB099 Cytokeratin 14



DB152 p16

Available in Canada from ...

MJS
BioLynx
INC.

1-888-593-5969 • www.biolyinx.ca • tech@biolyinx.ca



PRODUCT FORMAT

concentrated 1ml, 500µl, 200µl and 100µl
 40µl TRIAL SIZE AVAILABLE

pre-diluted RTU 7ml, 15ml

minimum dilution 1:100 up to 1: 1500

FAQs:

What is the difference between monoclonal and clonal antibodies?

Clonal antibodies are monospecific such as monoclonals. The principal difference between these two types of antibodies is that the clonal antibodies recognize solely very specifically selected linear epitope on the antigen molecule after its detailed proteomic analysis whereas the monoclonal antibodies recognize very often steric epitopes that frequently change their conformation during tissue preparation, protein extraction, etc., making the corresponding monoclonal antibody unspecific, less avid and in extreme cases not functional.

Are clonal antibodies similar to immunoaffinity purified polyclonals?

No. Immunoaffinity purified polyclonal antibodies (whether the immunogen is the whole protein or selected peptide) are always represented by numerous fractions of immunoglobulins corresponding to all epitopes in the immunogenic sequence. Rabbit clonal monospecific antibody is a homogenous fraction of immunoglobulin (IgG) corresponding exclusively to one and only specifically defined epitope on the antigen molecule.

Why are clonal antibodies produced by original in vitro cloning technology exceptional?

Clonal antibodies are exceptional because they recognize their target (epitope) with the highest affinity, avidity and specificity that remains unchanged even after the important changes in conformation of the antigen – such as denaturation during the fixation of the tissue, protein transfer in the case of western blot-related procedures, or as a consequence of the protein-protein interactions.

PRODUCT LIST:

Catalogue

Anti - Alpha Smooth Muscle Actin	DB 147
Anti - β -Actin	DB 001
Anti - B-raf	DB 159
Anti - C3d complement	DB 106
Anti - C4d complement	DB 107
Anti - CD1a	DB 071
Anti - CD3	DB 082
Anti - CD5	DB 027
Anti - CD7	DB 114
Anti - CD8	DB 085
Anti - CD10	DB 057
Anti - CD15	DB 211
Anti - CD20	DB 041
Anti - CD21	DB 213
Anti - CD23	DB 135
Anti - CD34	DB 151
Anti - CD45	DB 042
Anti - CD57	DB 216
Anti - CD117	DB 062
Anti - CD163	DB 045
Anti - C-erbB-2 (Her-2/neu)	DB 094
Anti - Chromogranin A	DB 157
Anti - Chromogranin A	DB 158
Anti - Cyclin D1	DB 066
Anti - Cytokeratin 5/6	DB 097
Anti - Cytokeratin 7	DB 051
Anti - Cytokeratin 8	DB 098
Anti - Cytokeratin 14	DB 099
Anti - Cytokeratin 16	DB 100
Anti - Cytokeratin 17	DB 101
Anti - Cytokeratin 18	DB 102
Anti - Cytokeratin 19	DB 103
Anti - Cytokeratin 20	DB 119
Anti - Desmin	DB 148
Anti - EBV/LMP-1	DB 060
Anti - EBV/LMP-1	DB 061
Anti - EGFR	DB 092
Anti - EMA (CD227, Mucin-1)	DB 048
Anti - ER (Estrogen Receptor)	DB 053
Anti - Human IgG	DB 173
Anti - Human IgG	DB 174
Anti - Human Kappa Light Chain	DB 037
Anti - Human Kappa Light Chain	DB 038
Anti - Human Lambda Light Chain	DB 039
Anti - iNOS	DB 003
Anti - Ki-67	DB 070
Anti - Ki-67	DB 111
Anti - Melan A	DB 050
Anti - Melanosome	DB 049
Anti - MSH2	DB 115
Anti - p16	DB 152
Anti - p16 (mouse monoclonal)	DB 253
Anti - p53	DB 026
Anti - p60	DB 203
Anti - p63	DB 134
Anti - p63	DB 229
Anti - P504S (AMACR)	DB 208
Anti - PD-L1	DB 241
Anti - PLAP (Placental Alkaline Phosphatase)	DB 047
Anti - PR (Progesterone Receptor)	DB 059
Anti - PR (Progesterone Receptor)	DB 108
Anti - PR (Progesterone Receptor)	DB 109
Anti - S-100	DB 055
Anti - Synaptophysin	DB 156
Anti - TTF-1	DB 089
Products available on special request	
Anti-CD10	DB 030
Anti-CD205	DB 043
Anti-CD205	DB 044
Anti-Bcl-2	DB 064



To review our comprehensive panel for routine IHC diagnostics as well as our research WB ELISA, IP and FC line, please visit our website www.dbbiotech.com