

Mouse CD79b Monoclonal Antibody | anti-CD79b antibody

CD79b (B-Cell Marker)

CATALOG # AAA214617	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry, ELISA
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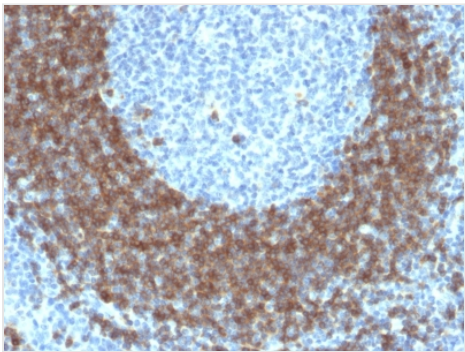
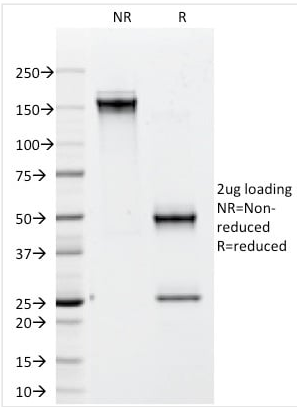
PRODUCT SYNONYMS

CD79b; Monoclonal Antibody; CD79b (B-Cell Marker); AGM6; B-cell antigen receptor complex-associated protein beta chain; B-cell-specific glycoprotein B29; B29; B29/Ig-beta/CD79b; Ig-beta; IGB; Immunoglobulin-associated B29 protein; anti-CD79b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	IGB/1842
Specificity	CD79 (also designated Ig γ /Ig γ) is a heterodimer composed of γ chains, designated CD79A or MB-1, and δ chains, designated CD79B or B29. The B cell antigen receptor complex (BCR) is formed by the association of CD79 with a membrane immunoglobulin, such as IgM or IgD. The membrane immunoglobulins IgM and IgD achieve surface expression and antigen presentation function in response to CD79 association. The cytoplasmic tails of both CD79A and CD79B contain an ITAM (immuno-receptor tyrosine-based activation) motif, which acts to initiate the BCR signaling reactions by binding to and activating tyrosine kinases.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	229
Applicable Applications for anti-CD79b antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant fragment of human CD79b protein (around aa 29-159)
Cellular Localization	Cell Surface
Hu-chromosome Location	17q23.3
Positive Control	Daudi or Ramos cells. Germinal center B-cells in a lymph node or tonsil.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Tonsil stained with CD79b Mouse Monoclonal Antibody (IGB/1842).

SDS-PAGE
SDS-PAGE Analysis Purified CD79b Mouse Monoclonal Antibody (IGB/1842). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Mason, D.Y., et al. 1992. The B29 and MB-1 polypeptides are differentially expressed during human B cell differentiation. Eur. J. Immunol. 22:2753-2756. Wood, W.J., Jr., et al. 1993. Isolation and chromosomal mapping of the human immunoglobulin-associated B29 gene (IGB). Genomics 16: 187-192.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11038674
NCBI GeneID	974
NCBI Accession #	NP_000617.1
NCBI GenBank Nucleotide #	NM_000626.3
UniProt Accession #	P40259; Q53FS2; Q9BU06
Molecular Weight	39kDa
NCBI Official Full Name	B-cell antigen receptor complex-associated protein beta chain isoform 1
NCBI Official Synonym Full Names	CD79b molecule
NCBI Official Symbol	CD79B
NCBI Official Synonym Symbols	B29; IGB; AGM6
NCBI Protein Information	B-cell antigen receptor complex-associated protein beta chain
UniProt Protein Name	B-cell antigen receptor complex-associated protein beta chain
UniProt Gene Name	CD79B
UniProt Synonym Gene Names	B29; IGB

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.