

Rat anti-Mouse CD79B Monoclonal Antibody | anti-CD79B antibody

Rat Monoclonal [clone AT107-2] (IgG1) to Human CD79B

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51881	Rat	Mouse	ELISA, Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry

PRODUCT SYNONYMS

CD79B; Monoclonal Antibody; Rat Monoclonal [clone AT107-2] (IgG1) to Human CD79B; Anti-CD79B Antibody (Intracellular; clone AT107-2) IHC-plus; AGM6; B29; Ig-beta; IGB; CD79b antigen; Human CD79B; anti-CD79B antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	AT107-2
Specificity	Recognizes an intracellular region of human and mouse CD79b, a cell surface antigen expressed by B lymphocytes. The CD79b molecule (also known as Ig beta and B29) associates with CD79a to form a heterodimer that is covalently linked to surface immunoglobulin, forming the B-cell receptor (BCR) complex
Purity/Purification	Protein G Purified
Form/Format	TBS, 0.09% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	229
Applicable Applications for anti-CD79B antibody	ELISA, FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry)
Non-Reactivity	Chicken
Immunogen Species	CD79B / CD79 Beta antibody was raised against Mouse.
Immunogen	CD79B antibody was raised against peptide containing 20 amino acids residues from mouse CD79b.
Epitope	Intracellular
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
	Preparation and Storage Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11038674
NCBI GeneID	974
NCBI Accession #	NP_000617.1
NCBI GenBank Nucleotide #	NM_000626.2
UniProt Accession #	P40259 ; Q53FS2 ; Q9BU06
NCBI Official Full Name	B-cell antigen receptor complex-associated protein beta chain isoform 1
NCBI Official Synonym Full Names	CD79b molecule, immunoglobulin-associated beta
NCBI Official Symbol	CD79B
NCBI Official Synonym Symbols	B29; IGB; AGM6

NCBI Protein Information	B-cell antigen receptor complex-associated protein beta chain; Ig-beta; B-cell-specific glycoprotein B29; immunoglobulin-associated B29 protein; CD79b antigen (immunoglobulin-associated beta)
UniProt Protein Name	B-cell antigen receptor complex-associated protein beta chain
UniProt Gene Name	CD79B
UniProt Synonym Gene Names	B29; IGB
UniProt Entry Name	CD79B_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd79b-antibody-clone-at107-2-flow-cytometry-immunoprecipitation-immunohistochemistry-elisa/51881>