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CD79a Rabbit mAb

Catalog # AP75235

Product Information

Application	WB, IHC-P, IHC-F
Primary Accession	P11912
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	25038

Additional Information

Gene ID	973
Other Names	CD79A
Dilution	WB~~1:2000-1:5000 IHC-P~~N/A IHC-F~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	CD79A
Synonyms	IGA, MB1
Function	Required in cooperation with CD79B for initiation of the signal transduction cascade activated by binding of antigen to the B- cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells. Stimulates SYK autophosphorylation and activation. Binds to BLNK, bringing BLNK into proximity with SYK and allowing SYK to phosphorylate BLNK. Also interacts with and increases activity of some Src-family tyrosine kinases. Represses BCR signaling during development of immature B- cells.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Note=Following antigen binding, the BCR has been shown to translocate from detergent-soluble regions of the cell membrane to lipid rafts although signal

transduction through the complex can also occur outside lipid rafts.

Tissue Location B-cells.

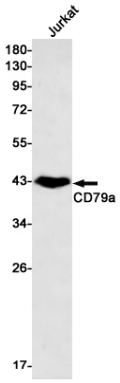
Background

Antigen binding precedes formation of the CD79A and CD79B heterodimer and subsequent activation of receptor associated kinases. CD79A is a marker for B-lineage lymphoblastic leukemia; mutations in the corresponding mb-1 gene are responsible for abnormally low levels of functional B cell receptors in some cases of chronic B-cell lymphocytic leukemia.

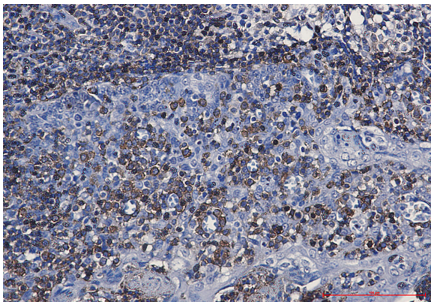
Images



Immunocytochemistry analysis of CD79a (green) in HL-60 using CD79a antibody,and DAPI(blue).



Western blot analysis of CD79a in Jurkat lysates using CD79a antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using CD79a antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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