CD79a monoclonal antibody

Catalog: MB66181 Host: Mouse Reactivity: Human

BackGround:

Antigen receptors found on the surface of B cells contain a heterodimeric signaling component composed of CD79A and CD79B, also known as Ig α and Ig β, respectively . Presence of this receptor complex is essential for B cell development and function . Together these two proteins and the associated B cell receptor (BCR) initiate intracellular signaling following antigen binding . An immunoreceptor tyrosine-based activation motif (ITAM) found in the CD79A intracellular region appears to be important for its function . Antigen binding precedes formation of the CD79A and CD79B heterodimer and subsequent activation of receptor associated kinases . Research has shown that CD79A is a marker for B-lineage lymphoblastic leukemia (8). Additionally, investigators have found that mutations in the CD79A (MB1) gene are associated with abnormally low levels of functional B cell receptors in some cases of chronic B cell lymphocytic leukemia .

Product:

Mouse IgG2a. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

Molecular Weight:

~ 25 kDa

Swiss-Prot:

P11912

Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC (1/100 - 1/300)

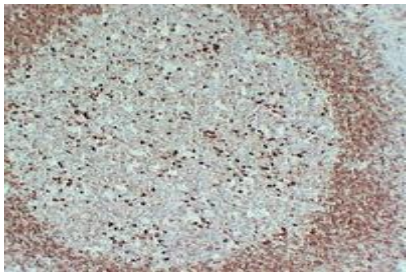
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CD79a protein.

DATA:



Immunohistochemical analysis of CD79a staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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