Mouse anti CD79b Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** CD79b
- **Catalogue:** 604-490
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** SN8
- **Application:** IHC(P), FC
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human CD235a

BACKGROUND

CD79b (Igβ chain), a 35-40kD transmembrane protein, forms a heterodimer with CD79a (30-35 kD, Ig α chain). The CD79b and CD79a hererodimers are associated with surface IgM to form the B-cell receptor (BCR) that is necessary for signal transduction via the BCR in mature B cells. CD79b participates in the signal transduction involved in development of B cells as well. It was reported that association between CD79b/CD79a with IgM is essential in inducing both the transition from progenitor to precursor B cells and subsequent allelic exclusion. Igβ knockout mice had a complete block in B cell development at the immature CD43+B220+ stage. The HM79b-12 clone reacts with an extracellular epitope of CD79b or Igβ.

PURIFICATION

The Mouse IgG is purified by Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human CD79b protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: 0.5-5 µg/106 cells
- Molecular Weight: 38-50
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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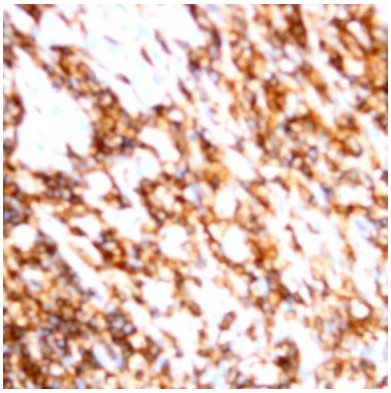
DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti-CD79a (Cat# 604-490) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

Nagata K, et al. 1997. Immunity 7:559.

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