

CD79a (AB1514) mouse mAb

W0293

Key Features

Host Species

- Mouse

Reactivity

- Human; Rat;

Applications

- IHC; WB; IF; ELISA

MW

- 25 kDa (calculated)
- 39 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB1514
Immunogen	A synthetic peptide corresponding to the amino acid region 100 - 226 of the human CD79a protein.
Specificity	The antibody can specifically recognize human CD79a protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	CD79A		
Protein Name	CD79a		
Database Link	Organism	Swiss Prot.	Gene ID
	Human	P11912	973

Background

CD79a and CD79b form a heterodimer molecular complex. Together with the membrane surface immunoglobulin of B cells, they form the antigen recognition receptor of B cells, participate in the signal transduction of B cell activation, and can be a broad-spectrum marker of B cells. They can be labeled from the former B cells to mature plasma cells. Because the expression of CD79a decreased during terminal differentiation, the staining may be due to the cross reaction of CD79b. It is often used in combination with other antibodies for the diagnosis of B-cell lymphoma.