

CD23 (AB1500) mouse mAb

V0021

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 36 kDa (calculated)
- kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

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 AB1500

Immunogen A synthetic peptide corresponding to the amino acid region 200 - 321 of the human CD23 protein.

Specificity The antibody can specifically recognize human CD23 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 FCER2

Protein Name CD23

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P06734	2208

Background

CD23 is a low affinity IgE receptor with a molecular weight of 45-60kDa. It is a B cell specific antigen. Its main function is to regulate IgE production and B cell differentiation. CD23 is mainly expressed in B cells activated in the germinal center of lymphoid follicles, mature IgD positive B lymphocytes and follicular dendritic cells (bright area). It is also used for labeling monocytes. For the study of lymphohematopoietic diseases, it is positive in small B-lymphocyte lymphoma / chronic lymphocytic leukemia and mediastinal large B-cell lymphoma, occasionally positive in some Hodgkin's lymphoma and negative in mantle cell lymphoma.