

CD21 (AB1499) mouse mAb

W0463

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 113 kDa (calculated)
- 160 kDa (observed)

Isotype

- IgG1, 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	AB1499
Immunogen	A synthetic peptide corresponding to the amino acid region 400 - 500 of the human CD21 protein.
Specificity	The antibody can specifically recognize human CD21 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	CR2		
Protein Name	CD21		
Database Link	Organism	Swiss Prot.	Gene ID
	Human	P20023	1380

Background	CD21, also known as type 2 complement receptor, is an important marker of B lymphocytes and EB virus receptor. It is a member of the complement activation regulator family. CD21 is mainly distributed in mature B cells, dendritic cells in lymphoid follicles and some T cells. It can promote the proliferation of B cells, participate in immune memory and mediate the transformation of EBV into B cells. It is mainly used for the diagnosis of follicular dendritic cell tumor and the study of immune complement activation regulation.
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