

CD21 (AB1499) mouse mAb

V0020

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

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

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

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.