

CD163 (AB1498) mouse mAb

W0274

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 125 kDa (calculated)
- 125 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 AB1498

Immunogen A synthetic peptide corresponding to the amino acid region 1 - 100 of the human CD163 protein.

Specificity The antibody can specifically recognize human CD163 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 CD163

Protein Name CD163

Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q86VB7	9332

Background CD163 is a type I membrane protein, and its expression is limited to monocytes / macrophages. Except for the mantle area and germinal center of lymphoid follicles, CD163 protein is expressed in all circulating monocytes and most macrophages, and is more sensitive than CD68 in macrophages and monocytes. It is mainly used for the detection of monocytes and most macrophages. Clinically, synovial macrophages (CD163 positive, CD68 positive) and synovial fibroblasts (CD163 negative, CD68 positive) , splenic sinus bank cell hemangioma (CD163 positive) and reactive splenic vascular hyperplasia (CD163 negative) can be distinguished.