

CD38 (AB1505) mouse mAb

W0279

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 34 kDa (calculated)
- 40 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	AB1505
Immunogen	A synthetic peptide corresponding to the amino acid region 200 - 300 of the human CD38 protein.
Specificity	The antibody can specifically recognize human CD38 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	CD38		
Protein Name	CD38		
Database Link	Organism	Swiss Prot.	Gene ID
	Human	P28907	952

Background	CD38 is a type II transmembrane glycoprotein with a molecular weight of 42 kDa. It is mainly expressed in plasma cells, pre-B cells, activated B cells, thymocytes and activated T cells. 90% of CD34 positive cells also express CD38. It is used to study the role of activated T cells in autoimmune diseases and immune deficiency diseases, and to diagnose multiple myeloma (plasmacytoma) . It is a useful marker in the immunotyping of acute leukemia.
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