

CD54 (AB1509) mouse mAb

W0287

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 58 kDa (calculated)
- 100 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 AB1509

Immunogen A synthetic peptide corresponding to the amino acid region 100 - 200 of the human CD54 protein.

Specificity The antibody can specifically recognize human CD54 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 ICAM1

Protein Name CD54

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P05362	3383

Background CD54, also known as ICAM-1, is a type I transmembrane protein. CD is expressed on activated endothelial cells, high endothelial venules, monocytes/macrophages, T and B cells, dendritic cells and granulocytes. It plays a role in cellular adhesion and is involved in inflammation and leukocyte extravasation. CD54 is also detected in some carcinoma and melanoma cells. In patients with various inflammatory syndromes, the level of soluble CD54 is upregulated in plasma.