

CD44 (AB1441) mouse mAb

W0284

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- IHC; WB; IF; ELISA

MW

- 81 kDa (calculated)
- 81 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 AB1441

Immunogen A synthetic peptide corresponding to the amino acid region 100 - 200 of the human CD44 protein.

Specificity The antibody can specifically recognize human CD44 protein. In western blotting of HeLa cell lysate, the antibody can label a 81 kDa band corresponding to CD44.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name CD44 LHR MDU2 MDU3 MIC4

Protein Name CD44

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P16070	960

Background CD44 is a cell surface receptor, which belongs to the family of cell adhesion molecules that mediate cell-to-cell and cell-to-matrix adhesion, and interacts with cytoskeletal proteins. CD44 is widely expressed in hematopoietic cells and mesodermal cells and is a marker of these cells. Studies have shown that the loss of CD44 expression is related to invasion, metastasis and progression of lung cancer, prostate cancer, breast cancer, ovarian cancer and malignant melanoma.