

## CD44 (AB1298) mouse mAb

W0283

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human;

#### Applications

- IHC; WB; IF; ELISA

#### MW

- 81 kDa (calculated)
- 81 kDa (observed)

#### Isotype

- IgG2b, 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** AB1298

**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

**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.