

## CD44 monoclonal antibody

Catalog: MB22534

Host: Mouse

Reactivity: Human

### Background:

The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

81.5kDa

### Swiss-Prot:

P16070

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

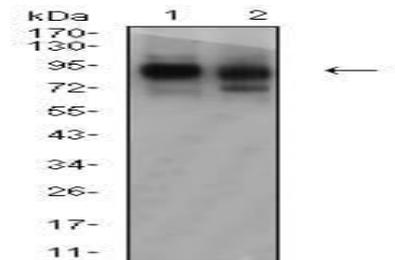
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

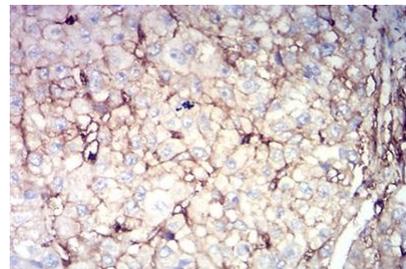
### Isotype:

Mouse IgG1

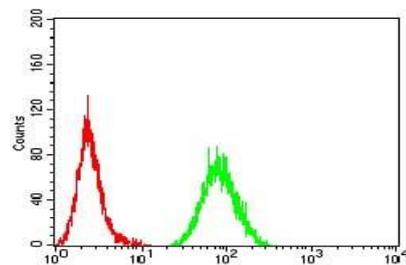
### DATA:



Western blot analysis using CD44 mouse mAb against HUVEC (1) and HUVE-12 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using CD44 mouse mAb with DAB staining.



Flow cytometric analysis of HeLa cells using CD44 mouse mAb (green) and negative control (red).

### Note:

For research use only, not for use in diagnostic procedure.

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