

CD44 Mouse monoclonal antibody

Catalog: MB9004

Host: Mouse

Reactivity: Human

BackGround:

CD44 is a type I transmembrane glycoprotein that mediates cell-cell and cell-matrix interaction through its affinity for hyaluronic acid (HA) and possibly through other parts of the extracellular matrix (ECM). CD44 is highly polymorphic, possesses a number of alternative splice variants and undergoes extensive post-translational modifications. Increased surface levels of CD44 are characteristic of T cell activation, and expression of the protein is upregulated during the inflammatory response. Interactions between CD44 and HER2 have been linked to an increase in ovarian carcinoma cell growth. CD44 interacts with ezrin, radixin and moesin (ERM), linking the actin cytoskeleton to the plasma membrane and the ECM. CD44 is constitutively phosphorylated at Ser325 in resting cells. Activation of PKC results in phosphorylation of Ser291, dephosphorylation of Ser325, disassociation of ezrin from CD44, and directional motility.

Product:

Mouse IgM, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 80 kDa

Swiss-Prot:

P16070

Purification&Purity:

Peptide affinity purified

Applications:

WB: 1:500-1:1000

IHC: 1:200

FC: 1:100-1:200

Storage&Stability:

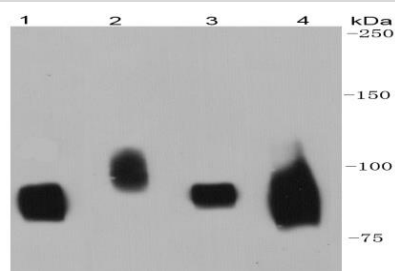
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of CD44 and does not cross-react with related proteins.

DATA:



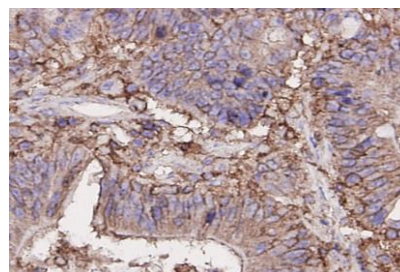
Western blot (WB) analysis of CD44 Mouse mAb at 1:2000 dilution

Lane1:HUVEC whole cell lysate

Lane2:HL-60 whole cell lysate

Lane3:Hela whole cell lysate

Lane4:SKOV3 whole cell lysate



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using anti-CD44 antibody. Counter stained with hematoxylin.

Note:

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

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