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Recombinant CD146/MCAM Monoclonal Antibody

catalog number: AN300561P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Mouse

Immunogen Recombinant Mouse CD146/MCAM Protein

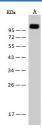
Host Rabbit
Isotype IgG
Clone 6F6
Purification Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

WB 1:500-1:2000

Data



Western Blot with MCAM Monoclonal Antibody at dilution of

1:500 dilution. Lane A: Mouse liver tissue lysate.

Lysates/proteins at 30 µg per lane.

Observed-MW:100 kDa Calculated-MW:72 kDa

Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when

stored at -20 $^{\circ}\text{C}$ to -80 $^{\circ}\text{C}$. Preservative-Free. Avoid repeated freeze-thaw cycles .

Shipping Ice bag

Background

The CD146 antigen, also known as melanoma cell adhesion molecule (MCAM) and MUC18, is an integral membrane glycoprotein belonging to the immunoglobulin superfamily. CD146 contains the characteristic immunoglobulin-like domains (V-V-C2-C2-C2), a transmembrane region, and a short cytoplasmic tail. The CD146 expression is detected in endothelial cells in vascular tissue throughout the body and plays a role in cell adhesion, as well as in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. As a Ca2+-independent cell adhesion molecule involved in heterophilic cell to cell interactions and a surface receptor, CD146 triggers tyrosine phosphorylation of FYN and PTK2 and subsequently induced signal transduction, proteolysis, or immune recognition. This protein is also expressed predominantly on metastatic lesions and advanced primary tumors, and thus has been suggested to play an important role in tumor progression and the development of metastasis in certain human carcinomas.

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