

CD49e HC Rabbit monoclonal antibody

Catalog: MB66359

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Integrins are α/β heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migration, as well as in growth and survival. The integrin family contains at least 18 α and 8 β subunits that form 24 known integrins with distinct tissue distribution and overlapping ligand specificities. Integrins not only transmit signals to cells in response to the extracellular environment (outside-in signaling), but also sense intracellular cues to alter their interaction with the extracellular environment (inside-out signaling).

Integrin $\alpha5/\beta1$ is involved in multiple biological processes including embryonic development, angiogenesis and tumor metastasis. By interaction with its fibronectin ligand, $\alpha5/\beta1$ transduces signals that regulate cell adhesion, migration, matrix assembly and cytoskeletal organization.

Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

Molecular Weight:

~ 150 kDa

Swiss-Prot:

P08648

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/100), IP (1/10 - 1/50)

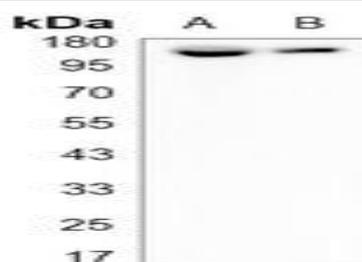
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of CD49e HC protein.

DATA:



Western blot analysis of CD49e HC expression in K562 (A), NIH3T3 (B) whole cell lysates.



Immunohistochemical analysis of CD49e HC staining in human breast carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.15). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

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

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