



ITGA5 Mouse Monoclonal Antibody

E10-20411

Background: The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling. Integrin alpha 5 is a heterodimer that associates noncovalently with CD29/integrin beta 1 subunit to form the alpha-5-beta-1 very late antigen (VLA-5) complex. VLA-5 is a fibronectin receptor that is expressed on thymocytes, T-cells, monocytes and platelets. It is also found on very early B-cells and activated B-cells. VLA-5-mediated binding to fibronectin sends a costimulatory signal to T-cells and enhances Fc-gamma-R- and complement receptor-mediated phago-cytosis. It is also involved in monocyte migration into extracellular tissues.

Catalog Number: E10-20411

Amount: 100µg/100µl

Clone Number: 10F6

Species: Mouse IgG2a

MW: 114kDa

Aliases: FNRA; CD49e; VLA5A; ITGA5

Entrez Gene: 3678

Immunogen: Purified recombinant fragment of human ITGA5 expressed in E. Coli.

Storage: Store at 4 °C for long term storage, store at -20 °C

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB,IHC,FC,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB 1/500 - 1/2000,IHC.1/200 - 1/1000.FC.1/200 - 1/400.ELISA. Propose dilution 1/10000.

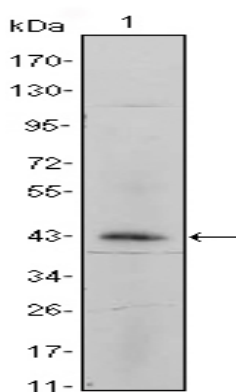


Figure 1. Western blot analysis using ITGA5 mouse mAb against ITGA5-hlgGfc transfected HEK293 cell lysate.

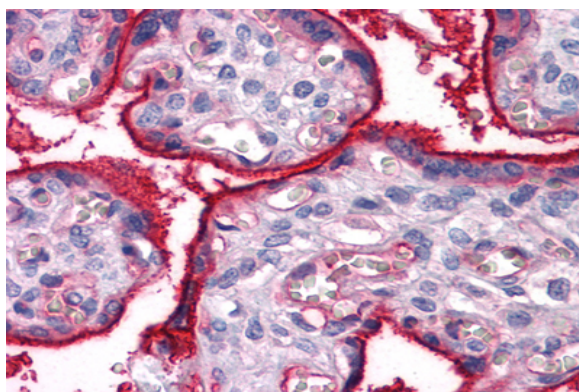


Figure 2. Immunohistochemical analysis of paraffin-embedded human Placenta tissues using ITGA5 mouse mAb

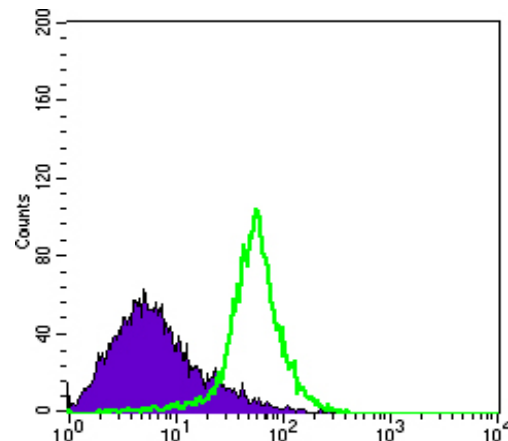


Figure 3. Flow cytometric analysis of Hela cells using ITGA5 mouse mAb (green) and negative control (purple).

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