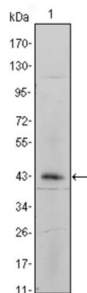
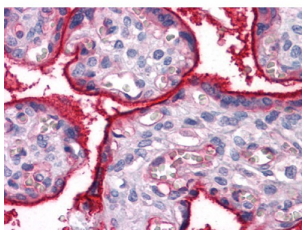


Integrin Alpha 5 (ITGA5) Antibody

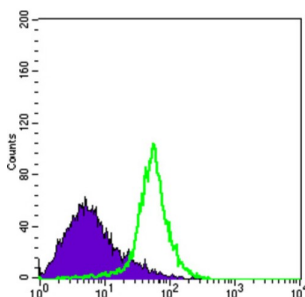
Catalogue No.: abx011678



Western blot analysis using ITGA5 antibody against ITGA5-hlgGfc transfected HEK293 cell lysate.



Immunohistochemical analysis of paraffin-embedded human Placenta tissues using ITGA5 antibody.



Flow cytometric analysis of Hela cells using ITGA5 antibody (green) and negative control (purple).

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.

Target: Integrin Alpha 5 (ITGA5)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, IHC, FCM

Datasheet

Version: 3.0.0
Revision date: 20 Jun 2025



Host: Mouse

Recommended dilutions: ELISA: 1/10000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

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

Isotype: IgG_{2a}

Form: Liquid

Purification: Unpurified ascites.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P08648 ([UniProt](#), [ExPASy](#))

Gene Symbol: ITGA5

GeneID: [3678](#)

OMIM: [135620](#)

HGNC: 6141

KEGG: hsa:3678

Ensembl: ENSG00000161638

String: [9606.ENSP00000293379](#)

Molecular Weight: 114 kDa

Buffer: Ascitic fluid containing 0.03% sodium azide.

Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.