

Product Data:

Product SKU: RPES1682

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P08648

Protein Information:

Molecular Mass: 105.1 kDa

AP Molecular Mass: 130 kDa

Tag: C-6His

Bio-activity: Immobilized Human NovoNectin(Cat: PKSH032450) at 2µg/ml(100 µl/well) can bind Human ITGA5-His. The ED50 of Human ITGA5-His is 18.9 ug/ml .

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Integrin Alpha-5; CD49 Antigen-Like Family Member E; Fibronectin Receptor Subunit Alpha; Integrin Alpha-F; VLA-5; CD49e; ITGA5; FNRA

Immunogen Information:

Sequence: Phe42-Tyr995

Background:

Integrin α -5 belongs to the Integrin α chain family and contains 7 FG-GAP repeats. Integrin α -5 joins with Integrin- β 1 to form a fibronectin and laminin receptor which recognizes the sequence R-G-D in its ligands. In case of HIV infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions. It is expressed on fibroblasts, endothelial cells, peripheral T cells and platelets. Integrin α -5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains. In addition to adhesion, ITGA5 participates in cell-surface mediated signalling.