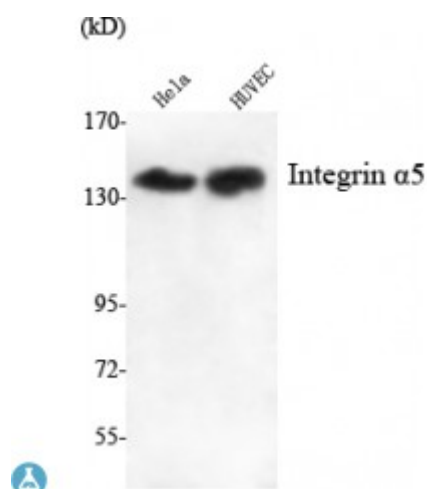


Anti-Integrin alpha antibody



Description	Mouse monoclonal to Integrin alpha5.
Model	STJ98510
Host	Mouse
Reactivity	Bovine, Human, Mouse, Rat
Applications	FC, WB
Immunogen	Purified recombinant human Integrin alpha5 (N-terminal) protein fragments expressed in E.coli.
Immunogen Region	N-terminal
Gene ID	3678
Gene Symbol	ITGA5
Dilution range	WB 1:1000-1:2000FC 1:100-1:200
Specificity	Integrin alpha5 Monoclonal Antibody detects endogenous levels of Integrin alpha5 protein.
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Integrin alpha-5 CD49 antigen-like family member E Fibronectin receptor subunit alpha Integrin alpha-F VLA-5 CD antigen CD49e Integrin alpha-5 heavy chain Integrin alpha-5 light chain
Clonality	Monoclonal
Conjugation	Unconjugated

Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6141 OMIM:135620
Alternative Names	Integrin alpha-5 CD49 antigen-like family member E Fibronectin receptor subunit alpha Integrin alpha-F VLA-5 CD antigen CD49e Integrin alpha-5 heavy chain Integrin alpha-5 light chain
Function	Integrin alpha-5/beta-1 is a receptor for fibronectin and fibrinogen. It recognizes the sequence R-G-D in its ligands. ITGA5:ITGB1 binds to PLA2G2A via a site (site 2) which is distinct from the classical ligand-binding site (site 1) and this induces integrin conformational changes and enhanced ligand binding to site 1 . ITGA5:ITGB1 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1 . (Microbial infection) Integrin ITGA5:ITGB1 acts as a receptor for human metapneumovirus . Integrin ITGA2:ITGB1 acts as a receptor for human parvovirus B19 . In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions .
Cellular Localization	Membrane. Single-pass type I membrane protein. Cell junction, focal adhesion Cell surface
Post-translational Modifications	Proteolytic cleavage by PCSK5 mediates activation of the precursor.