

## ARG83310 Human CD49e / Integrin alpha 5 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG83310 Human CD49e / Integrin alpha 5 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD49e / Integrin alpha 5 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD49e / Integrin alpha 5
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	80 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 6.3% Inter-Assay CV: 6.1%
Alternate Names	CD49e; CD49 antigen-like family member E; Integrin alpha-F; Fibronectin receptor subunit alpha; CD antigen CD49e; VLA-5; FNRA; VLA5A; Integrin alpha-5

### Application Instructions

Assay Time	~ 5 hours
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### Properties

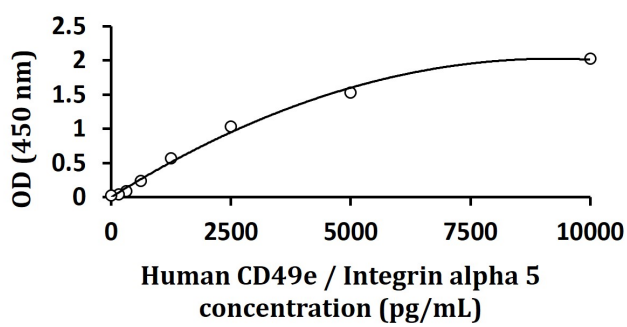
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	ITGA5
Gene Full Name	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)
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 and integrin alpha V chains are produced by distinct genes. [provided by RefSeq, Jan 2015]

Function	Integrin alpha-5/beta-1 is a receptor for fibronectin and fibrinogen. It recognizes the sequence R-G-D in its ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions. [UniProt]
PTM	Proteolytic cleavage by PCSK5 mediates activation of the precursor. [UniProt]

Images



ARG83310 Human CD49e / Integrin alpha 5 ELISA Kit standard curve image

ARG83310 Human CD49e / Integrin alpha 5 ELISA Kit results of a typical standard run with optical density reading at 450 nm.