

ARG83308 Human CD49a / Integrin alpha 1 ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG83308 Human CD49a / Integrin alpha 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD49a / Integrin alpha 1 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	CD49a / Integrin alpha 1
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: 3.7% Inter-Assay CV: 4.4%
Alternate Names	VLA-1; CD49a; Integrin alpha-1; Laminin and collagen receptor; VLA1; CD antigen CD49a; CD49 antigen-like family member A

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.

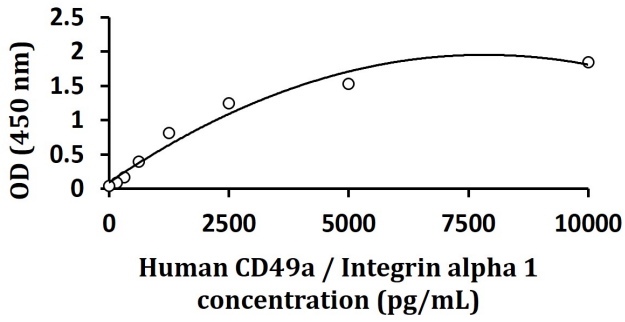
Bioinformation

Gene Symbol	ITGA1
Gene Full Name	integrin, alpha 1
Background	This gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding. [provided by RefSeq, Jul 2008]

Function

Integrin alpha-1/beta-1 is a receptor for laminin and collagen. It recognizes the proline-hydroxylated sequence G-F-P-G-E-R in collagen. Involved in anchorage-dependent, negative regulation of EGF-stimulated cell growth. [UniProt]

Images



ARG83308 Human CD49a / Integrin alpha 1 ELISA Kit standard curve image

ARG83308 Human CD49a / Integrin alpha 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.