

Human integrin, alpha 1 ELISA Kit | ITGA1 elisa kit

Human Integrin alpha-1, ITGA1 ELISA Kit

CATALOG #
AAA112783

REACTIVITY
Human

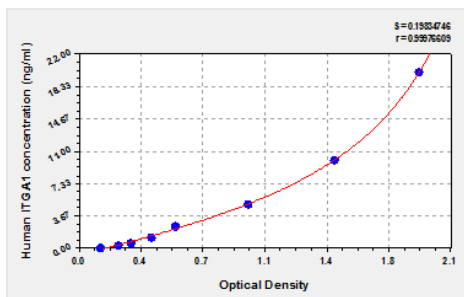
PRODUCT SYNONYMS

integrin; alpha 1; Human Integrin alpha-1; ITGA1 ELISA Kit; Human Integrin alpha-1 (ITGA1) ELISA kit; CD49a; VLA1; laminin and collagen receptor; very late activation protein 1; ITGA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ITGA1. No significant cross-reactivity or interference between human ITGA1 and analogues was observed.
Sequence Length	1179
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	<0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGA1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ITGA1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ITGA1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ITGA1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ITGA1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31657142
NCBI GeneID	3672
NCBI Accession #	NP_852478.1
NCBI GenBank Nucleotide #	NM_181501.1
UniProt Accession #	P56199; B2RNU0
Molecular Weight	130,848 Da
NCBI Official Full Name	integrin alpha-1
NCBI Official Synonym Full Names	integrin, alpha 1
NCBI Official Symbol	ITGA1
NCBI Official Synonym Symbols	VLA1; CD49a
NCBI Protein Information	integrin alpha-1; VLA-1; laminin and collagen receptor; very late activation protein 1; CD49 antigen-like family member A
UniProt Protein Name	Integrin alpha-1
UniProt Gene Name	ITGA1
UniProt Entry Name	ITA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.