

Rat Integrin alpha-1 (ITGA1) ELISA Kit | ITGA1 elisa kit

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CATALOG #
AAA121220

REACTIVITY
Rat

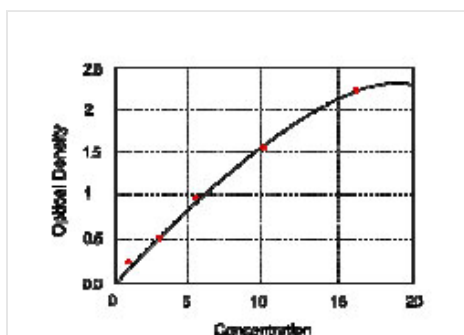
PRODUCT SYNONYMS

Integrin alpha-1 (ITGA1); Rat Integrin alpha-1 (ITGA1) ELISA Kit; ITGA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	1179
Samples	Serum, Plasma, Cell Culture Supernates, Cell Lysates, Tissue Homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.05ng/ml-20ng/ml
Sensitivity	0.016ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGA1 elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of Rat Integrin Alpha 5 Beta 3 (also known as ITG A5B3) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates. Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat ITG A5B3 antibody. ITG A5B3 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat ITG A5B3 Antibody is added and binds to ITG A5B3 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated ITG A5B3 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat ITG A5B3. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
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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 subunit alpha 1
NCBI Official Symbol	ITGA1
NCBI Official Synonym Symbols	VLA1; CD49a
NCBI Protein Information	integrin alpha-1
UniProt Protein Name	Integrin alpha-1
UniProt Gene Name	ITGA1

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/integrin-alpha-1-itga1/121220>