

Mouse Integrin Alpha 1 (ITGa1) ELISA Kit | ITGa1 elisa kit

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CATALOG #
AAA63545

REACTIVITY
Mouse

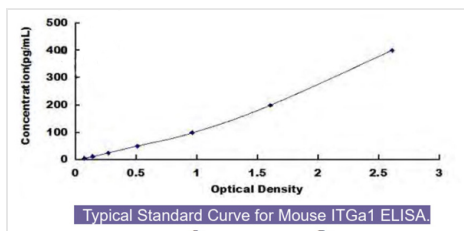
PRODUCT SYNONYMS

Integrin Alpha 1 (ITGa1); Mouse Integrin Alpha 1 (ITGa1) ELISA Kit; CD49-A; CD49a; ITG-A1; VLA1; CD49 antigen-like family member A; Laminin and collagen receptor; ITGa1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ITGa1. No significant cross-reactivity or interference between ITGa1 and analogues was observed.
Sequence Length	1179
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates or other biological fluids
Detection Range	6.25-400pg/mL
Sensitivity	< 2.65pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ITGa1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ITGa1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGa1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ITGa1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ITGa1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ITGa1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of ITGa1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ITGa1 in mouse tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153791389
NCBI GeneID	109700
NCBI Accession #	NP_001028400.2
NCBI GenBank Nucleotide #	NM_001033228.3
UniProt Accession #	Q3V3R4; F8VQN5
Molecular Weight	130,810 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; E130012M19Rik
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/mouse-elisa-kits/integrin-alpha-1-itga1/63545>