

Mouse Integrin alpha-4 ELISA Kit | Itga4 elisa kit

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CATALOG #
AAA102351

REACTIVITY
Mouse

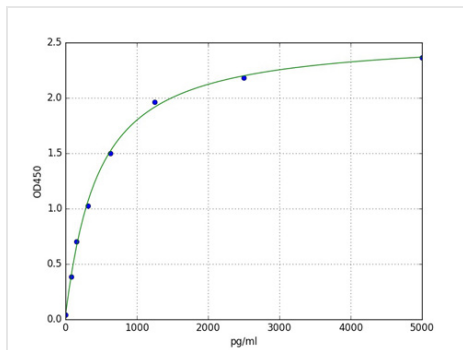
PRODUCT SYNONYMS

Integrin alpha-4; Mouse Integrin alpha-4 ELISA Kit; Itga4/Integrin alpha 4/CD49d/VLA-4/269C wild type/CD49 antigen-like family member D/CD49d antigen/IA4/integrin alpha-4/integrin alpha-4 subunit/Integrin alpha-IV/very late activation protein 4 receptor/alpha 4 subunit/VLA-4 subunit alpha; Itga4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	1032
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve
Results of a typical standard run of a Mouse Itga4 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.033	0.497	0.773	0.973	1.469	1.862	2.284	2.405

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Itga4 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mouse Itga4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse Itga4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse Itga4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse Itga4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	67191027
NCBI GeneID	3676
NCBI Accession #	NP_000876.3
NCBI GenBank Nucleotide #	NM_000885.5
Molecular Weight	21,536 Da
NCBI Official Full Name	integrin alpha-4 isoform 1 preproprotein
NCBI Official Synonym Full Names	integrin subunit alpha 4
NCBI Official Symbol	ITGA4
NCBI Official Synonym Symbols	IA4; CD49D
NCBI Protein Information	integrin alpha-4
UniProt Protein Name	Integrin alpha-4
UniProt Gene Name	ITGA4
UniProt Synonym Gene Names	CD49D
UniProt Entry Name	ITA4_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.

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Online datasheet: <https://stage.aaabiotech.com/itga4-mouse-elisa-kits/integrin-alpha-4/102351>