

Human Integrin alpha-5 ELISA Kit | ITGA5 elisa kit

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CATALOG #
AAA99120

REACTIVITY
Human

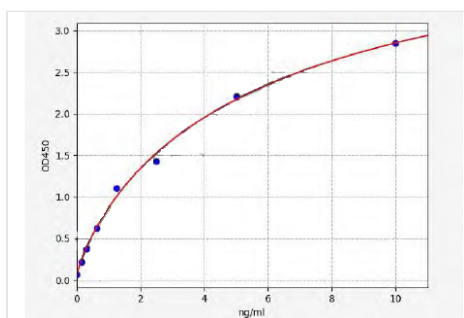
PRODUCT SYNONYMS

Integrin alpha-5; Human Integrin alpha-5 ELISA Kit; ITGA5/CD49e/VLA-5 alpha/CD49 antigen-like family member E/CD49e/CD49e antigen/Fibronectin receptor subunit alpha/fibronectin receptor; alpha subunit/FNRAVLA5A/integrin alpha-5/Integrin alpha-F/integrin; alpha 5 (fibronectin receptor; alpha polypeptide)/very late activation protein 5; alpha subunit/VLA-5; ITGA5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ITGA5. No significant cross-reactivity or interference between ITGA5 and analogues was observed.
Sequence Length	1098
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
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



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGA5 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed 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 target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	938148811
NCBI GeneID	3678
NCBI Accession #	NP_002196.3
NCBI GenBank Nucleotide #	NM_002205.3
Molecular Weight	114,536 Da
NCBI Official Full Name	integrin alpha-5 preproprotein
NCBI Official Synonym Full Names	integrin subunit alpha 5
NCBI Official Symbol	ITGA5
NCBI Official Synonym Symbols	FNRA; CD49e; VLA-5; VLA5A
NCBI Protein Information	integrin alpha-5
UniProt Protein Name	Integrin alpha-5
UniProt Gene Name	ITGA5
UniProt Synonym Gene Names	FNRA
UniProt Entry Name	ITA5_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.