

Human Integrin beta-1 ELISA Kit | ITGB1 elisa kit

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CATALOG #
AAA17373

REACTIVITY
Human

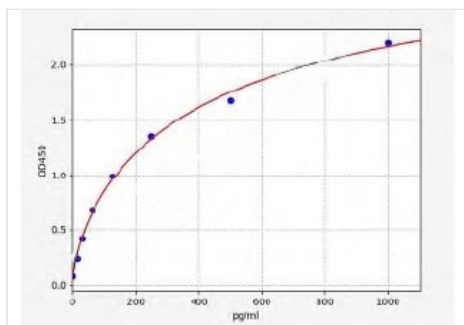
PRODUCT SYNONYMS

Integrin beta-1; Human Integrin beta-1 ELISA Kit; ITGB1/CD29/CD29 antigen/Fibronectin receptor subunit beta/FNRBVLAB/GPIIA/integrin beta-1/integrin VLA-4 beta subunit/integrin; beta 1 (fibronectin receptor; beta polypeptide; antigen CD29 includesMDF2; MSK12)/MDF2/MSK12/very late activation protein; beta polypeptide/VLA-4 subunit beta/VLA-BETA; ITGB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ITGB1. No significant cross-reactivity or interference between ITGB1 and analogues was observed.
Sequence Length	801
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/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 ITGB1 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 #	19743819
NCBI GeneID	3688
NCBI Accession #	NP_391988.1
NCBI GenBank Nucleotide #	NM_033668.2
Molecular Weight	88,884 Da
NCBI Official Full Name	integrin beta-1 isoform 1D
NCBI Official Synonym Full Names	integrin subunit beta 1
NCBI Official Symbol	ITGB1
NCBI Official Synonym Symbols	CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA
NCBI Protein Information	integrin beta-1
UniProt Protein Name	Integrin beta-1
UniProt Gene Name	ITGB1
UniProt Synonym Gene Names	FNRB; MDF2; MSK12; GPIIA
UniProt Entry Name	ITB1_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.