

Human Integrin beta1 ELISA Kit | ITGbeta1 elisa kit

Human Integrin beta1 ELISA Kit

CATALOG #
AAA94521

REACTIVITY
Human

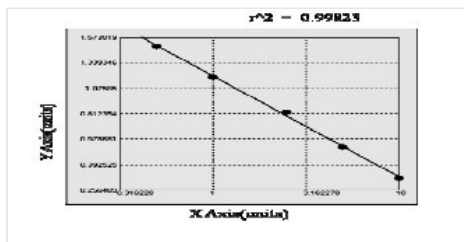
PRODUCT SYNONYMS

Integrin beta1; Human Integrin beta1 ELISA Kit; Human Integrin b1 ELISA Kit; ITGbeta1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGbeta1 elisa kit

Intended Uses: This ITGB1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ITGB1. This ELISA kit for research use only!

Principle of the Assay: ITGB1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ITGB1 antibody and an ITGB1-HRP conjugate. The assay sample and buffer are incubated together with ITGB1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ITGB1 concentration since ITGB1 from samples and ITGB1-HRP conjugate compete for the anti-ITGB1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ITGB1 from the sample, fewer sites are left to bind ITGB1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ITGB1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ITGbeta1 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	19743823
NCBI GeneID	3688
NCBI Accession #	NP_596867.1
NCBI GenBank Nucleotide #	NM_133376.2
Molecular Weight	88,884 Da
NCBI Official Full Name	integrin beta-1 isoform 1A
NCBI Official Synonym Full Names	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
NCBI Official Symbol	ITGB1
NCBI Official Synonym Symbols	CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA
NCBI Protein Information	integrin beta-1; glycoprotein IIa; integrin VLA-4 beta subunit; very late activation protein, beta polypeptide
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.

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Online datasheet: <https://stage.aaabiotech.com/itgbeta1-human-elisa-kits/integrin-beta1/94521>