

Mouse Integrin beta1 ELISA Kit | ITGbeta1 elisa kit

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CATALOG #
AAA94719

REACTIVITY
Mouse

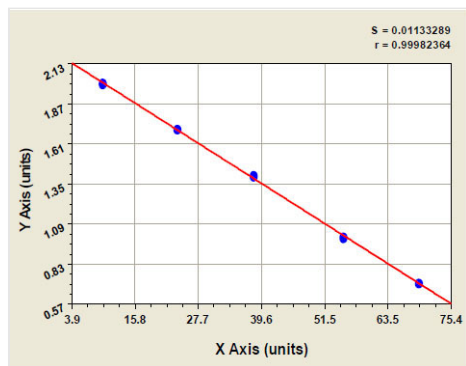
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ITG?1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ITG?1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGbeta1 elisa kit

Principle of the assay: ITG?1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ITG?1 antibody and an ITG?1-HRP conjugate. The assay sample and buffer are incubated together with ITG?1-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 ITG?1 concentration since ITG?1 from samples and ITG?1-HRP conjugate compete for the anti-ITG?1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ITG?1 from the sample, fewer sites are left to bind ITG?1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ITG?1 concentration in each sample is interpolated from this standard curve.

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.