

Human Integrin Beta 1 (ITGb1) ELISA Kit | ITGb1 elisa kit

Human Integrin Beta 1 (ITGb1) Instant ELISA Kit

CATALOG # AAA188626	REACTIVITY Human	APPLICATIONS ELISA
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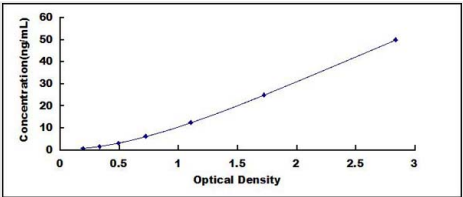
PRODUCT SYNONYMS

Integrin Beta 1 (ITGb1); Human Integrin Beta 1 (ITGb1) Instant ELISA Kit; Integrin Beta 1; CD29; MSK12; ITG-B1; FNRB; GPIIA; MDF2; VLAB; Fibronectin Receptor Beta Polypeptide; Antigen CD29 Includes MDF2; Glycoprotein IIa; VLA-4 subunit beta; ITGb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Instant Integrin Beta 1 (ITGb1). No significant cross-reactivity or interference between Instant Integrin Beta 1 (ITGb1) and analogues was observed.
Sequence Length	798
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.31ng/mL
Applicable Applications for ITGb1 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Instant Integrin Beta 1 (ITGb1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Instant Integrin Beta 1 (ITGb1) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Instant Integrin Beta 1 (ITGb1). Standards or samples and HRP-labeled detection antibody specific to Instant Integrin Beta 1 (ITGb1) (Detection Reagent A) are then added to the appropriate microtiter plate wells. Next, TMB substrate solution is added, only those wells that contain Instant Integrin Beta 1 (ITGb1), and HRP-labeled detection antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Instant Integrin Beta 1 (ITGb1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	19743813
NCBI GeneID	3688
NCBI Accession #	NP_002202.2
NCBI GenBank Nucleotide #	NP_002202.2
UniProt Accession #	P05556
NCBI Official Full Name	integrin beta-1 isoform 1A
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.