

Human Integrin Beta 5 (ITGb5) ELISA Kit | ITGb5 elisa kit

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CATALOG #
AAA67380

REACTIVITY
Human

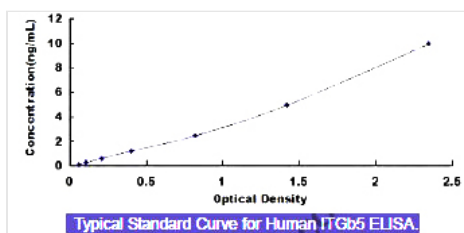
PRODUCT SYNONYMS

Integrin Beta 5 (ITGb5); Human Integrin Beta 5 (ITGb5) ELISA Kit; ITG-B5; ITGb5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ITGb5. No significant cross-reactivity or interference between ITGb5 and analogues was observed.
Sequence Length	799
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.065ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ITGb5 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ITGb5 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGb5 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ITGb5 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ITGb5. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ITGb5. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ITGb5, biotin-conjugated antibody and enzyme-conjugated Avidin 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 ITGb5 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20127446
NCBI GeneID	3693
NCBI Accession #	NP_002204.2
NCBI GenBank Nucleotide #	NM_002213.4
UniProt Accession #	P18084; B0LPF8; B2RD70
Molecular Weight	88,054 Da
NCBI Official Full Name	integrin beta-5
NCBI Official Synonym Full Names	integrin subunit beta 5
NCBI Official Symbol	ITGB5
NCBI Protein Information	integrin beta-5
UniProt Protein Name	Integrin beta-5
UniProt Gene Name	ITGB5

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.