

Human Integrin Beta 4 (ITGb4) ELISA Kit | ITGb4 elisa kit

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CATALOG #
AAA135636

REACTIVITY
Human

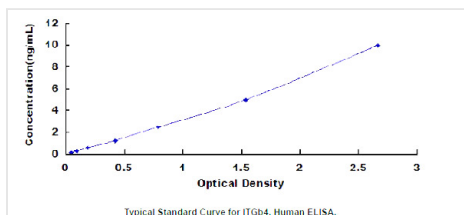
PRODUCT SYNONYMS

Integrin Beta 4 (ITGb4); Human Integrin Beta 4 (ITGb4) ELISA Kit; CD104; ITG-B4; GP150; ITGb4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ITGb4. No significant cross-reactivity or interference between ITGb4 and analogues was observed.
Sequence Length	1822
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ITGb4 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 ITGb4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for ITGb4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ITGb4 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ITGb4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ITGb4. 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 ITGb4, 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 ITGb4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ITGb4 elisa kit	CD & Adhesion molecule; Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607035
NCBI GeneID	3691
NCBI Accession #	NP_000204.3
NCBI GenBank Nucleotide #	NM_000213.3
UniProt Accession #	P16144; O14690; O14691; O15339; O15340; O15341; Q0VF97; Q9UIQ4; A0AVL6
Molecular Weight	106,779 Da
NCBI Official Full Name	integrin beta-4 isoform 1
NCBI Official Synonym Full Names	integrin, beta 4
NCBI Official Symbol	ITGB4
NCBI Official Synonym Symbols	CD104
NCBI Protein Information	integrin beta-4
UniProt Protein Name	Integrin beta-4
UniProt Gene Name	ITGB4
UniProt Entry Name	ITB4_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.