

Human integrin, beta 7 ELISA Kit | ITGB7 elisa kit

Human Integrin beta-7, ITGB7 ELISA Kit

CATALOG #
AAA112584

REACTIVITY
Human

PRODUCT SYNONYMS

integrin; beta 7; Human Integrin beta-7; ITGB7 ELISA Kit; Human Integrin beta-7 (ITGB7) ELISA kit; integrin beta 7 subunit; ITGB7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ITGB7. No significant cross-reactivity or interference between human ITGB7 and analogues was observed.
Sequence Length	798
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.312 ng/ml -20 ng/ml
Sensitivity	< 0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

ADDITIONAL INFORMATION

Related Product Information for ITGB7 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ITGB7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ITGB7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ITGB7 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ITGB7 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504777
NCBI GeneID	3695
NCBI Accession #	NP_000880.1
NCBI GenBank Nucleotide #	NM_000889.2
UniProt Accession #	P26010 ; Q9UCP7 ; Q9UCS7
Molecular Weight	86,903 Da

NCBI Official Full Name	integrin beta-7
NCBI Official Synonym Full Names	integrin, beta 7
NCBI Official Symbol	ITGB7
NCBI Protein Information	integrin beta-7; integrin beta 7 subunit; gut homing receptor beta subunit
UniProt Protein Name	Integrin beta-7
UniProt Gene Name	ITGB7
UniProt Entry Name	ITB7_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://www.aaabiotech.com/itgb7-human-elisa-kits/integrin-beta-7/112584>