

Human Integrin Alpha 11 (ITGa11) ELISA Kit | ITGa11 elisa kit

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CATALOG #
AAA185498

REACTIVITY
Human

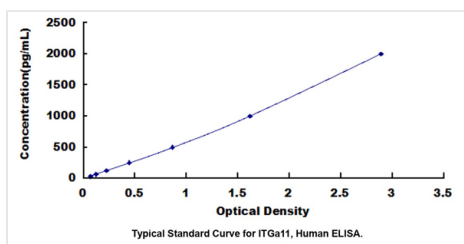
PRODUCT SYNONYMS

Integrin Alpha 11 (ITGa11); Human Integrin Alpha 11 (ITGa11) ELISA Kit; ITG-A11; ITGa11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ITGa11. No significant cross-reactivity or interference between ITGa11 and analogues was observed.
Sequence Length	1,189
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	< 11.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ITGa11 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 ITGa11 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 ITGa11 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ITGa11. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ITGa11. 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 ITGa11, 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 ITGa11 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ITGa11 in human tissue homogenates, cell lysates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	52485853
NCBI GeneID	22801
NCBI Accession #	NP_001004439.1
NCBI GenBank Nucleotide #	NM_001004439.1
UniProt Accession #	Q9UKX5; Q8WYI8; Q9UKQ1; J3KQM2
Molecular Weight	133,569 Da
NCBI Official Full Name	integrin alpha-11
NCBI Official Synonym Full Names	integrin subunit alpha 11
NCBI Official Symbol	ITGA11
NCBI Official Synonym Symbols	HsT18964
NCBI Protein Information	integrin alpha-11
UniProt Protein Name	Integrin alpha-11
UniProt Gene Name	ITGA11

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.