

Human Integrin Alpha 10 (ITGa10) ELISA Kit | ITGa10 elisa kit

Human Integrin Alpha 10 (ITGa10) High Sensitive ELISA Kit

CATALOG # AAA188577	REACTIVITY Human	APPLICATIONS ELISA
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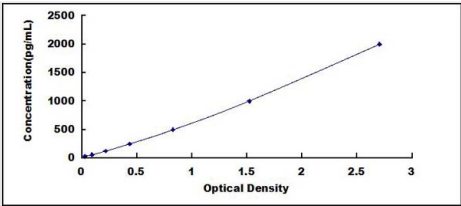
PRODUCT SYNONYMS

Integrin Alpha 10 (ITGa10); Human Integrin Alpha 10 (ITGa10) High Sensitive ELISA Kit; Integrin Alpha 10; ITG-A10; ITGa10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Integrin Alpha 10 (ITGa10). No significant cross-reactivity or interference between High Sensitive Integrin Alpha 10 (ITGa10) and analogues was observed.
Sequence Length	1167
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, cell lysates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 12.2pg/mL
Applicable Applications for ITGa10 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Integrin Alpha 10 (ITGa10) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Integrin Alpha 10 (ITGa10) 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 Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to High Sensitive Integrin Alpha 10 (ITGa10). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive Integrin Alpha 10 (ITGa10). 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 High Sensitive Integrin Alpha 10 (ITGa10), 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 High Sensitive Integrin Alpha 10 (ITGa10) 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 #	38569398
NCBI GeneID	8515
NCBI Accession #	NP_003628.2
NCBI GenBank Nucleotide #	NP_003628.2
UniProt Accession #	O75578
NCBI Official Full Name	integrin alpha-10 isoform 1
NCBI Official Synonym Full Names	integrin subunit alpha 10
NCBI Official Symbol	ITGA10
NCBI Official Synonym Symbols	PRO827
NCBI Protein Information	integrin alpha-10
UniProt Protein Name	Integrin alpha-10
UniProt Gene Name	ITGA10
UniProt Entry Name	ITA10_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.