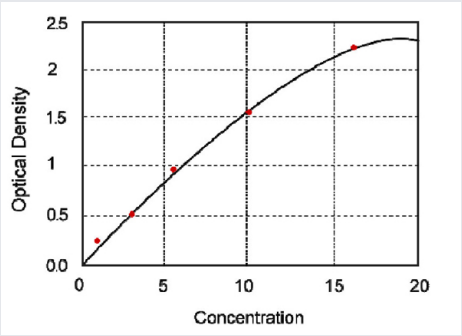
Integrin Alpha-11, ITGA11 (ITGA11) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Integrin alpha-11, ITGA11, ELISA Kit
Full Product Name	Human Integrin alpha-11, ITGA11 ELISA Kit
Product Gene Name	ITGA11 elisa kit
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	50-10000ng/L
Sensitivity	23.64ng/L
Preparation and Storage	Store at 2 to 8 degree C for 6 months.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
OMIM	AF109681 mRNA
3D Structure	ModBase 3D Structure for Q9UKX5
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ITGA11 elisa kit	Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human ITGA11 antibody. ITGA11 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human ITGA11 Antibody is added and binds to ITGA11 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated ITGA11 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human ITGA11. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm. Intended Uses: This sandwich kit is for the accurate quantitative detection of Human Integrin alpha-11 (also known as ITGA11) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.
Other Notes	Small volumes of ITGA11 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ITGA11 purchase	MBS1606386 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Integrin alpha-11, ITGA11, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ITGA11. The ELISA analytical biochemical technique of the MBS1606386 kit is based on ITGA11 antibody-ITGA11 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ITGA11 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ITGA11. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of ITGA11 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ITGA11. It may not necessarily be applicable to this product.

NCBI GI #	52485853
NCBI GeneID	22801
UniProt Primary Accession #	Q9UKX5
UniProt Related Accession #	Q9UKX5
GenBank Nucleotide #	NP_001004439.1
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
UniProt Protein Name	Integrin alpha-11
Protein Family	Integrin
UniProt Gene Name	ITGA11
NCBI Protein Information	integrin alpha-11
NCBI Summary for ITGA11	This gene encodes an alpha integrin. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein contains an I domain, is expressed in muscle tissue, dimerizes with beta 1 integrin in vitro, and appears to bind collagen in this form. Therefore, the protein may be involved in attaching muscle tissue to the extracellular matrix. Alternative transcriptional splice variants have been found for this gene, but their biological validity is not determined. [provided by RefSeq, Jul 2008]
UniProt Comments for ITGA11	Integrin alpha-11/beta-1 is a receptor for collagen.
Research Articles on ITGA11	**1.** ITGA11 is a highly promising target that is selectively overexpressed in myofibroblasts during fibrotic diseases and regulates myofibroblast differentiation and key phenotypic characteristics.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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