

Human Lymphocyte Function Associated Antigen 1 Alpha (LFA1a) ELISA Kit | LFA1a elisa kit

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CATALOG # AAA66754	REACTIVITY Human
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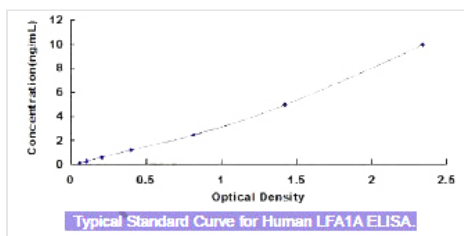
PRODUCT SYNONYMS

Lymphocyte Function Associated Antigen 1 Alpha (LFA1a); Human Lymphocyte Function Associated Antigen 1 Alpha (LFA1a) ELISA Kit; CD11a; ITG-AL; LFA-1; LFA1-A; ITGAL; Integrin; Alpha L; CD11 antigen-like family member A; Leukocyte function-associated molecule 1 alpha chain; LFA1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LFA1A. No significant cross-reactivity or interference between LFA1A and analogues was observed.
Sequence Length	1086
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LFA1A 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 LFA1A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LFA1a elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LFA1A in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LFA1A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LFA1A. 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 LFA1A, 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 LFA1A in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	167466217
NCBI GeneID	3683
NCBI Accession #	NP_001107852.1
NCBI GenBank Nucleotide #	NM_001114380.1
UniProt Accession #	P20701; O43746; Q45H73; Q96HB1; Q9UBC8
Molecular Weight	119,224 Da
NCBI Official Full Name	integrin alpha-L isoform b
NCBI Official Synonym Full Names	integrin subunit alpha L
NCBI Official Symbol	ITGAL
NCBI Official Synonym Symbols	CD11A; LFA-1; LFA1A
NCBI Protein Information	integrin alpha-L
UniProt Protein Name	Integrin alpha-L
UniProt Gene Name	ITGAL
UniProt Synonym Gene Names	CD11A; LFA-1A

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.