

Human Linker For Activation Of T-Cell (LAT) ELISA Kit | LAT elisa kit

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CATALOG #
AAA183202

REACTIVITY
Human

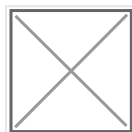
PRODUCT SYNONYMS

Linker For Activation Of T-Cell (LAT); Human Linker For Activation Of T-Cell (LAT) ELISA Kit; LAT1; Pp36; Linker Of Activated T Cells; Linker for activation of T-cells family member 1; 36 kDa phospho-tyrosine adapter protein; LAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Linker For Activation Of T-Cell (LAT). No significant cross-reactivity or interference between Linker For Activation Of T-Cell (LAT) and analogues was observed.
Sequence Length	243
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.102ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Linker For Activation Of T-Cell (LAT) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Linker For Activation Of T-Cell (LAT) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 LAT elisa kit	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 Linker For Activation Of T-Cell (LAT). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Linker For Activation Of T-Cell (LAT). 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 Linker For Activation Of T-Cell (LAT), 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 Linker For Activation Of T-Cell (LAT) 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 #	118640875
NCBI GeneID	7462
NCBI Accession #	NP_115853.2
NCBI GenBank Nucleotide #	NM_032464.2
UniProt Accession #	Q9GZY6; Q9BXX8; Q9NZY9; A6NFK6; A8K209; A8K4F1; D3DXF9
Molecular Weight	12,255 Da
NCBI Official Full Name	linker for activation of T-cells family member 2
NCBI Official Synonym Full Names	linker for activation of T cells family member 2
NCBI Official Symbol	LAT2
NCBI Official Synonym Symbols	LAB; NTAL; WSCR5; WBSCR5; HSPC046; WBSCR15
NCBI Protein Information	linker for activation of T-cells family member 2
UniProt Protein Name	Linker for activation of T-cells family member 2
UniProt Gene Name	LAT2
UniProt Synonym Gene Names	LAB; NTAL; WBS15; WBSCR15; WBSCR5

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.