

Mouse B-Lymphocyte Activation Antigen B7-1 (LAB7-1) ELISA Kit | LAB7-1 elisa kit

Mouse B-Lymphocyte Activation Antigen B7-1 (LAB7-1)(Sandwich ELISA) ELISA Kit

CATALOG # AAA189524	REACTIVITY Mouse	APPLICATIONS ELISA
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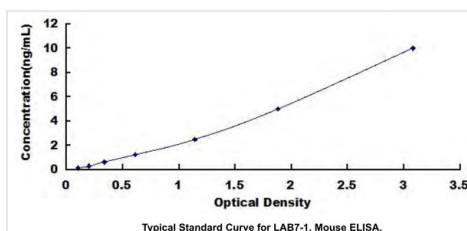
PRODUCT SYNONYMS

B-Lymphocyte Activation Antigen B7-1 (LAB7-1); Mouse B-Lymphocyte Activation Antigen B7-1 (LAB7-1)(Sandwich ELISA) ELISA Kit; ELISA Kit for B-Lymphocyte Activation Antigen B7-1 (LAB7-1); LAB7-1/B-Lymphocyte Activation Antigen B7-1; CD80; CD28LG; CD28LG1; BB1; B7-1 Antigen; T-lymphocyte activation antigen CD80; CTLA-4 counter-receptor B7.1; LAB7-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of LAB7-1. No significant cross-reactivity or interference between LAB7-1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Applicable Applications for LAB7-1 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LAB7-1 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 LAB7-1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/ -20 degree C for long-term (within shelf life). 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 LAB7-1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LAB7-1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LAB7-1. 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 LAB7-1, 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 LAB7-1 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 LAB7-1 in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for LAB7-1 elisa kit	Enzyme & Kinase; Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	112983684
NCBI GeneID	12519
NCBI Accession #	NP_033985.3
NCBI GenBank Nucleotide #	NM_009855.2
UniProt Accession #	Q00609; Q61332
Molecular Weight	24,051 Da
NCBI Official Full Name	T-lymphocyte activation antigen CD80
NCBI Official Synonym Full Names	CD80 antigen
NCBI Official Symbol	Cd80
NCBI Official Synonym Symbols	B71; Ly53; TSA1; Cd28l; Ly-53; MIC17
NCBI Protein Information	T-lymphocyte activation antigen CD80
UniProt Protein Name	T-lymphocyte activation antigen CD80
UniProt Gene Name	Cd80
UniProt Synonym Gene Names	B7; B7

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/b-lymphocyte-activation-antigen-b7-1-lab7-1/189524>