

Mouse Signaling Lymphocytic Activation Molecule Family, Member 5 (SLAMF5) ELISA Kit | SLAMF5 elisa kit

Mouse Signaling Lymphocytic Activation Molecule Family, Member 5 (SLAMF5)(Sandwich ELISA) ELISA Kit

CATALOG # AAA152474	REACTIVITY Mouse
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PRODUCT SYNONYMS

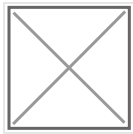
Signaling Lymphocytic Activation Molecule Family; Member 5 (SLAMF5); Mouse Signaling Lymphocytic Activation Molecule Family; Member 5 (SLAMF5)(Sandwich ELISA) ELISA Kit; ELISA Kit for Signaling Lymphocytic Activation Molecule Family; CD84; LY9B; Cell surface antigen MAX.3; Hly9-beta; Leukocyte differentiation antigen CD84; SLAMF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Detects protein (regular version) Reactive with Mouse SLAMF5/Signaling Lymphocytic Activation Molecule Family, Member 5 This assay has high sensitivity and excellent specificity for detection of Signaling Lymphocytic Activation Molecule Family, Member 5 (SLAMF5). No significant cross-reactivity or interference between Signaling Lymphocytic Activation Molecule Family, Member 5 (SLAMF5) and analogues was observed.
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Method	Colormetric
Sensitivity	0.062ng/mL
Assay Time	3h
Sample Size	100uL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Signaling Lymphocytic Activation Molecule Family, Member 5 (SLAMF5) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Signaling Lymphocytic Activation Molecule Family, Member 5 (SLAMF5) 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 Signaling Lymphocytic Activation Molecule Family, Member 5 (SLAMF5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Signaling Lymphocytic Activation Molecule Family, Member 5 (SLAMF5). 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 Signaling Lymphocytic Activation Molecule Family, Member 5 (SLAMF5), 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 Signaling Lymphocytic Activation Molecule Family, Member 5 (SLAMF5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 100uL standard or sample to each well. Incubate 2 hours at 37 degree C 3. Aspirate and add 100uL prepared Detection Reagent A. Incubate 1 hour at 37 degree C 4. Aspirate and wash 3 times 5. Add 100uL prepared Detection Reagent B. Incubate 30 minutes at 37 degree C 6. Aspirate and wash 5 times 7. Add 90uL Substrate Solution. Incubate 10-20 minutes at 37 degree C 8. Add 50uL Stop Solution. Read at 450nm immediately.
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year 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)
Typical Standard Curve for SLAMF5 ELISA (Sandwich)

NCBI AND UNIPROT INFORMATION

NCBI GI #	357197147
NCBI GeneID	12523
NCBI Accession #	NP_001239401.1
NCBI GenBank Nucleotide #	NM_001252472.1
UniProt Accession #	Q18PI6; Q18PI7; Q3TBT1; Q3U0A2; Q8BFV0; Q9Z178
Molecular Weight	37,378 Da
NCBI Official Full Name	SLAM family member 5 isoform 2
NCBI Official Synonym Full Names	CD84 antigen
NCBI Official Symbol	Cd84
NCBI Official Synonym Symbols	CDw84; SLAMF5; A130013D22Rik
NCBI Protein Information	SLAM family member 5; leukocyte differentiation antigen CD84; signaling lymphocytic activation molecule 5
UniProt Protein Name	SLAM family member 5
UniProt Gene Name	Cd84
UniProt Synonym Gene Names	Slamf5
UniProt Entry Name	SLAF5_MOUSE

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.