

Human SLAM/CD150 ELISA Kit | SLAMF1 elisa kit

Human SLAM/CD150 PicoKine ELISA Kit

CATALOG #
AAA45895

REACTIVITY
Human

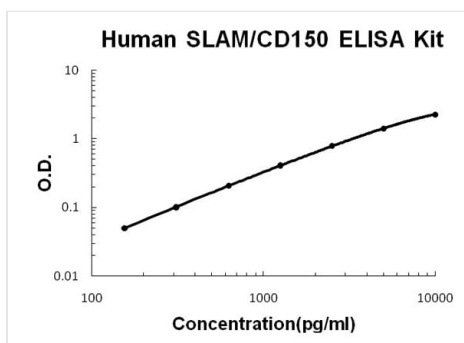
PRODUCT SYNONYMS

SLAM/CD150; Human SLAM/CD150 PicoKine ELISA Kit; Signaling lymphocytic activation molecule; signaling lymphocytic activation molecule family member 1; 4933415F16; AA177906; CD 150; Cd150; CD150 antigen; Cdw150; Estm51; Ipo 3; IPO-3; Ipo3; MGC151472; MGC151476; OTTHUMP00000025670; OTTHUMP00000060252; RGD1560634; Signaling lymphocytic activation molecule family member 1; isoform CRA_a; isoform CRA_b; Signaling lymphocytic activation molecule precursor; Slaf1; SLAF1_HUMAN; SLAM family; member 1; Slamf 1; Slamf1; SLAMF1 protein; SLAMF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human SLAM
Sequence Length	335
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
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.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human SLAM/CD150 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SLAMF1 elisa kit	Principle of the assay: human SLAM ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for SLAM has been precoated onto 96-well plates. Standards(NSO, A21-K236) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for SLAM is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human SLAM amount of sample captured in plate. Background: Signaling lymphocytic activation molecule is a protein that in humans is encoded by the SLAMF1 gene. It belongs to the immunoglobulin gene superfamily. This gene is mapped to 1q23.3. It has found that SLAM is constitutively expressed on peripheral blood memory T cells, T-cell clones, immature thymocytes and a proportion of B cells, and is rapidly induced on naive T cells after activation. In MV-resistant cell lines, infection with clinical MV and expression of SLAM, but not CD46, caused cytopathic effects (CPE). The expression of SLAM on activated B and T lymphocytes correlates with the pathology of MV infection in humans and monkeys, in which lymphoid organs are the chief sites of MV replication and the binding of MV to SLAM may impair the signaling functions of SLAM in lymphocyte activation and inhibit Th0/Th1 cytokine production, thereby promoting Th2 cytokine production. It has reported that antibody-mediated ligation of SLAM on thymocytes triggered a protein tyrosine phosphorylation signal in T cells in a SAP-dependent manner. This signal also involved SHIP, the adaptor molecules DOK2, DOK1, and SHC and RASGAP.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9297047
NCBI GeneID	6504
UniProt Accession #	Q13291; Q5W172; Q9HBE8
Molecular Weight	33,839 Da
NCBI Official Full Name	Signaling lymphocytic activation molecule
NCBI Official Synonym Full Names	signaling lymphocytic activation molecule family member 1
NCBI Official Symbol	SLAMF1
NCBI Official Synonym Symbols	SLAM; CD150; CDw150
NCBI Protein Information	signaling lymphocytic activation molecule; IPO-3
UniProt Protein Name	Signaling lymphocytic activation molecule
UniProt Gene Name	SLAMF1
UniProt Synonym Gene Names	SLAM
UniProt Entry Name	SLAF1_HUMAN

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.