

Human ESAM ELISA Kit | ESAM elisa kit

Human ESAM ELISA Kit PicoKine

CATALOG # AAA126742	REACTIVITY Human	APPLICATIONS ELISA
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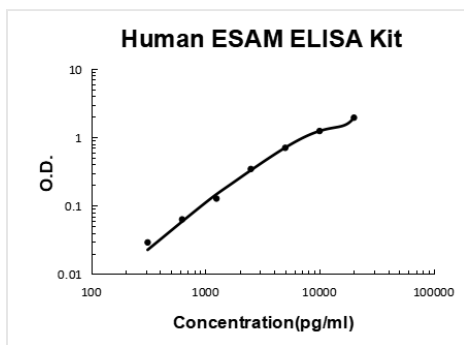
PRODUCT SYNONYMS

ESAM; Human ESAM ELISA Kit PicoKine; ESAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human ESAM
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	312 pg/ml - 20,000 pg/ml
Sensitivity	<20 pg/ml
Applicable Applications for ESAM elisa kit	ELISA
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 across 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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human ESAM PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ESAM elisa kit	Background: Endothelial cell-selective adhesion molecule is a protein that in humans is encoded by the ESAM gene. Enables cell-cell adhesion mediator activity. Involved in several processes, including bicellular tight junction assembly; cell-cell adhesion; and regulation of actin cytoskeleton organization. Located in cell-cell junction and plasma membrane. Part of protein-containing complex. Principle of the Assay: The Picokine™ Human ESAM Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human ESAM with a 96-well strip plate that is pre-coated with antibody specific for ESAM. The detection antibody is a biotinylated antibody specific for ESAM. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human ESAM protein as standards. To measure Human ESAM, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human ESAM in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human ESAM in the sample.
Product Categories/Family for ESAM elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	148664205
NCBI GeneID	90952
NCBI Accession #	NP_620411.2
NCBI GenBank Nucleotide #	NM_138961.2
UniProt Accession #	Q96AP7; Q96T50; B4DVN8
Molecular Weight	15,170 Da
NCBI Official Full Name	endothelial cell-selective adhesion molecule
NCBI Official Synonym Full Names	endothelial cell adhesion molecule
NCBI Official Symbol	ESAM
NCBI Official Synonym Symbols	W117m
NCBI Protein Information	endothelial cell-selective adhesion molecule
UniProt Protein Name	Endothelial cell-selective adhesion molecule
UniProt Gene Name	ESAM

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.