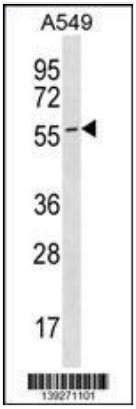
ESAM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ESAM, Polyclonal Antibody
Full Product Name	ESAM, CT (ESAM, Endothelial cell-selective adhesion molecule) (PE)
Product Gene Name	anti-ESAM antibody
Product Synonym Names	ESAM; Endothelial cell-selective adhesion molecule
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	15,170 Da
OMIM	AF361746 mRNA
3D Structure	ModBase 3D Structure for Q96AP7
Immunogen	ESAM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 258-289 amino acids from the C-terminal region of human ESAM.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-ESAM antibody	Antibodies; Connexin; Junction Proteins
Applications Tested/Suitable for anti-ESAM antibody	Western Blot (WB), FLISA
Application Notes for anti-ESAM antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-ESAM antibody	ESAM can mediate aggregation most likely through a homophilic molecular interaction (By similarity).
Product References and Citations for anti-ESAM antibody	Rohatgi, A., et al. Arterioscler. Thromb. Vasc. Biol. 29(10):1684-1690(2009). Trynka, G., et al. Gut 58(8):1078-1083(2009). Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004). Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003). Nasdala, I., et al. J. Biol. Chem. 277(18):16294-16303(2002).
Other Notes	Small volumes of anti-ESAM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for ESAM purchase	MBS6296733 is an antibody targeting ESAM. Also known as ESAM, CT (ESAM, Endothelial cell-selective adhesion molecule) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ESAM antibody
ESAM Antibody (C-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the ESAM antibody detected the ESAM protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ESAM. It may not necessarily be applicable to this product.

NCBI GI #	148664205
NCBI GeneID	90952
NCBI Accession #	NP_620411.2
UniProt Primary Accession #	Q96AP7
UniProt Secondary Accession #	Q96T50; B4DVN8
UniProt Related Accession #	Q96AP7
GenBank Nucleotide #	NM_138961.2
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
UniProt Protein Name	Endothelial cell-selective adhesion molecule
Protein Family	Endothelial cell-selective adhesion molecule
UniProt Gene Name	ESAM
NCBI Protein Information	endothelial cell-selective adhesion molecule
UniProt Comments for ESAM	Can mediate aggregation most likely through a homophilic molecular interaction.
Research Articles on ESAM	**1.** sESAM levels associate with myocardial infarction, heart failure, and death after adjustment for demographic and clinical risk factors, but not after adjustment for kidney function.
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