

Mouse ESM1/Endocan ELISA Kit | ESM1 elisa kit

Mouse ESM1/Endocan PicoKine ELISA Kit

CATALOG # AAA45910	REACTIVITY Mouse
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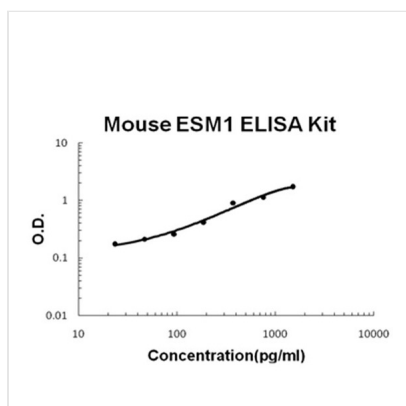
PRODUCT SYNONYMS

ESM1/Endocan; Mouse ESM1/Endocan PicoKine ELISA Kit; Endothelial cell-specific molecule 1; endothelial cell-specific molecule 1; Endocan; Endothelial cell specific molecule 1; ESM 1; ESM 1 secretory protein; ESM-1; Esm1; ESM1 secretory protein; ESM1_HUMAN; ESM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse ESM1
Sequence Length	184
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	23.4pg/ml-1500pg/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)

Mouse ESM1/Endocan PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ESM1 elisa kit	Principle of the assay: mouse ESM1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for ESM1 has been precoated onto 96-well plates. Standards(NSO, W20-R184) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for ESM1 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 mouse ESM1 amount of sample captured in plate. Background: Endothelial cell-specific molecule 1, also known as Endocan, is a protein that in humans is encoded by the ESM1 gene. This gene encodes a secreted protein which is mainly expressed in the endothelial cells in human lung and kidney tissues. The expression of this gene is regulated by cytokines, suggesting that it may play a role in endothelium-dependent pathological disorders. The transcript contains multiple polyadenylation and mRNA instability signals. ESM-1 has been described as a specific biomarker of tip cells during neoangiogenesis by independent teams. Its expression has been shown to be increase in presence of pro-angiogenic growth factors such as VEGF (vascular endothelial growth factor) or FGF-2 (fibroblast growth factor 2).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13431510
NCBI GeneID	71690
UniProt Accession #	Q9QYY7
Molecular Weight	20,043 Da
NCBI Official Full Name	Endothelial cell-specific molecule 1
NCBI Official Synonym Full Names	endothelial cell-specific molecule 1
NCBI Official Symbol	Esm1
NCBI Official Synonym Symbols	ESM-1; AV004503; 0610042H23Rik
NCBI Protein Information	endothelial cell-specific molecule 1
UniProt Protein Name	Endothelial cell-specific molecule 1
UniProt Gene Name	Esm1
UniProt Synonym Gene Names	ESM-1
UniProt Entry Name	ESM1_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/esm1-endocan/45910>