

Human Endocan ELISA Kit | ESM1 elisa kit

Human Endocan ELISA Kit

CATALOG # AAA17884	REACTIVITY Human	APPLICATIONS ELISA
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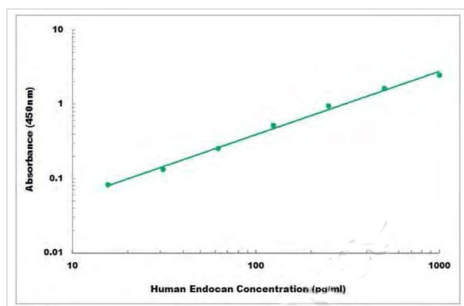
PRODUCT SYNONYMS

Endocan; Human Endocan ELISA Kit; Endothelial cell-specific molecule 1; ESM-1; ESM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Endocan ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Endocan proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	134
Samples	Culture Supernatants, Serum, Plasma
Sensitivity	< 7 pg/ml
Applicable Applications for ESM1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ESM1 elisa kit	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. ESM1 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). Principle of the Assay: The Human Endocan ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Endocan in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human Endocan coated on a 96-well plate. Standards and samples are pipetted into the wells and Endocan present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Endocan antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Endocan bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	208022668
NCBI GeneID	11082
NCBI Accession #	NP_001129076.1
NCBI GenBank Nucleotide #	NM_001135604.1
UniProt Accession #	Q9NQ30; Q15330; Q3V4E3; Q96ES3; B2R4G3
Molecular Weight	14,513 Da
NCBI Official Full Name	endothelial cell-specific molecule 1 isoform b
NCBI Official Synonym Full Names	endothelial cell-specific molecule 1
NCBI Official Symbol	ESM1
NCBI Official Synonym Symbols	endocan
NCBI Protein Information	endothelial cell-specific molecule 1; ESM-1
UniProt Protein Name	Endothelial cell-specific molecule 1
UniProt Gene Name	ESM1
UniProt Synonym Gene Names	ESM-1
UniProt Entry Name	ESM1_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.

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Online datasheet: <https://stage.aaabiotech.com/esm1-human-elisa-kits/endocan/17884>