Endothelial Cell Specific Molecule 1 (ESM-1) ELISA Kit for Pigeon

PRODUCT OVERVIEW

Product Name	Endothelial Cell Specific Molecule 1 (ESM-1), ELISA Kit
Full Product Name	Pigeon Endothelial Cell Specific Molecule 1 ELISA Kit
Product Gene Name	ESM-1 elisa kit
Species Reactivity	Pigeon
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	20,095 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (54273695..54281414, complement). Location: 5q11.2
OMIM	601521
3D Structure	ModBase 3D Structure for Q9NQ30
Related Product Information for ESM-1 elisa kit	MBS048977 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Endothelial Cell Specific Molecule 1 (ESM-1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ESM-1. The ELISA analytical biochemical technique of the MBS048977 kit is based on ESM-1 antibody-ESM-1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ESM-1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ESM-1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of ESM-1 elisa kit 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ESM-1. It may not necessarily be applicable to this product.

NCBI GI #	208022668
NCBI GeneID	11082
NCBI Accession #	NP_001129076.1
UniProt Primary Accession #	Q9NQ30
UniProt Secondary Accession #	Q15330; Q3V4E3; Q96ES3; B2R4G3
UniProt Related Accession #	Q9NQ30
GenBank Nucleotide #	NM_001135604.1
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
UniProt Protein Name	Endothelial cell-specific molecule 1
Protein Family	Endothelial cell-specific molecule

UniProt Gene Name	ESM1
UniProt Synonym Gene Names	ESM-1
UniProt Entry Name	ESM1_HUMAN
NCBI Protein Information	endothelial cell-specific molecule 1; ESM-1
NCBI Summary for ESM-1	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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]
UniProt Comments for ESM-1	ESM1: May have potent implications in lung endothelial cell- leukocyte interactions. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 5q11.2 Cellular Component: extracellular region Molecular Function: integrin binding; insulin-like growth factor binding; hepatocyte growth factor receptor binding Biological Process: positive regulation of cell proliferation; sprouting angiogenesis; regulation of cell growth; angiogenesis
Research Articles on ESM-1	**1.** The immunolabeling of endocan in endothelial cells may therefore appear to be a relevant marker of aggressive behavior in pituitary tumors.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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