

Human Endothelial Cell Specific Molecule 1 (ESM1) ELISA Kit | ESM1 elisa kit

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CATALOG #
AAA136450

REACTIVITY
Human

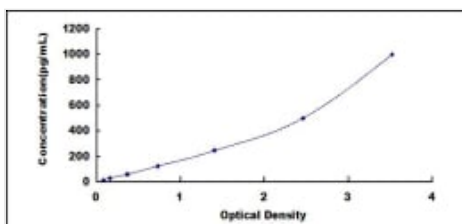
PRODUCT SYNONYMS

Endothelial Cell Specific Molecule 1 (ESM1); Human Endothelial Cell Specific Molecule 1 (ESM1) ELISA Kit; Endocan; ESM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Endothelial Cell Specific Molecule 1 (ESM1). No significant cross-reactivity or interference between Endothelial Cell Specific Molecule 1 (ESM1) and analogues was observed.
Sequence Length	184
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.065ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Endothelial Cell Specific Molecule 1 (ESM1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Endothelial Cell Specific Molecule 1 (ESM1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ESM1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Endothelial Cell Specific Molecule 1 (ESM1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Endothelial Cell Specific Molecule 1 (ESM1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Endothelial Cell Specific Molecule 1 (ESM1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Endothelial Cell Specific Molecule 1 (ESM1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ESM1 elisa kit	Metabolic pathway; Tumor immunity; Infection immunity; Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	14196342
NCBI GeneID	71690
NCBI Accession #	NP_076101.1
NCBI GenBank Nucleotide #	NM_023612.3
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/endothelial-cell-specific-molecule-1-esm1/136450>