

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

Mouse Endothelial Cell Specific Molecule 1 (ESM1)(Sandwich ELISA) ELISA Kit

CATALOG # AAA189552	REACTIVITY Mouse	APPLICATIONS ELISA
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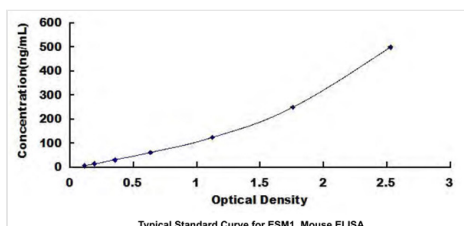
PRODUCT SYNONYMS

Endothelial Cell Specific Molecule 1 (ESM1); Mouse Endothelial Cell Specific Molecule 1 (ESM1)(Sandwich ELISA) ELISA Kit; ELISA Kit for Endothelial Cell Specific Molecule 1 (ESM1); ESM1/Endothelial Cell Specific Molecule 1; Endocan; ESM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ESM1. No significant cross-reactivity or interference between ESM1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	7.8-500ng/mL
Sensitivity	< 3.1ng/mL
Applicable Applications for ESM1 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ESM1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ESM1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/ -20 degree C for long-term (within shelf life). 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	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ESM1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 ESM1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ESM1 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for ESM1 elisa kit	Enzyme & Kinase; Endocrinology; Neuro science

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/endothelial-cell-specific-molecule-1-esm1/189552>