

Sheep Endothelial cell specific molecule 1 ELISA Kit | ESM-1 elisa kit

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CATALOG #
AAA97430

REACTIVITY
Sheep

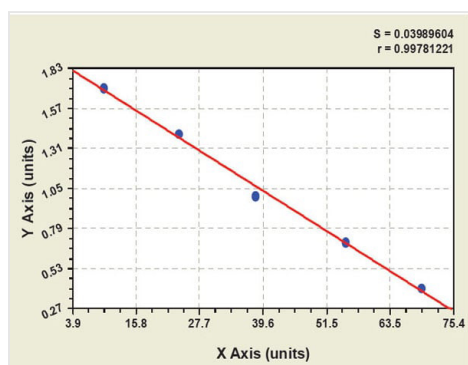
PRODUCT SYNONYMS

Endothelial cell specific molecule 1; Sheep Endothelial cell specific molecule 1 ELISA Kit; ESM-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ESM-1 elisa kit

Principle of the assay: ESM-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ESM-1 antibody and an ESM-1-HRP conjugate. The assay sample and buffer are incubated together with ESM-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ESM-1 concentration since ESM-1 from samples and ESM-1-HRP conjugate compete for the anti-ESM-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ESM-1 from the sample, fewer sites are left to bind ESM-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ESM-1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ESM-1 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	208022668
NCBI GeneID	11082
NCBI Accession #	NP_001129076.1
NCBI GenBank Nucleotide #	NM_001135604.1
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/esm-1-sheep-elisa-kits/endothelial-cell-specific-molecule-1/97430>