

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

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CATALOG #
AAA17140

REACTIVITY
Canine

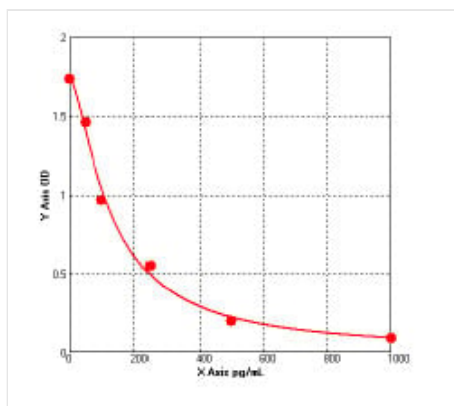
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ESM1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/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: ESM1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ESM1 antibody and an ESM1-HRP conjugate. The assay sample and buffer are incubated together with ESM1-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 ESM1 concentration since ESM1 from samples and ESM1-HRP conjugate compete for the anti-ESM1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ESM1 from the sample, fewer sites are left to bind ESM1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ESM1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ESM1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ESM1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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
UniProt Accession #	Q9NQ30; Q15330; Q3V4E3; Q96ES3; B2R4G3
Molecular Weight	20,095 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-canine-elisa-kits/endothelial-cell-specific-molecule-1/17140>