

Canine Syndecan-1/CD138 ELISA Kit | SDC1/CD138 elisa kit

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CATALOG #
AAA17198

REACTIVITY
Canine

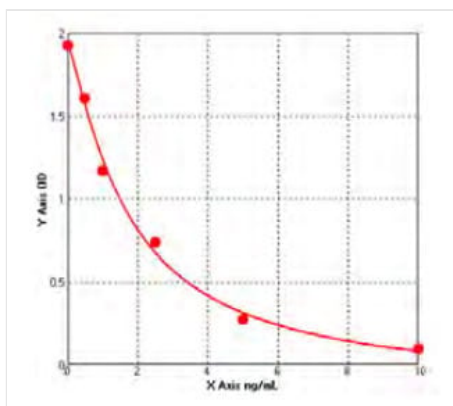
PRODUCT SYNONYMS

Syndecan-1/CD138; Canine Syndecan-1/CD138 ELISA Kit; SDC1/CD138 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CD138. No significant cross-reactivity or interference between CD138 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD138 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	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 SDC1/CD138 elisa kit	Principle of the Assay: CD138 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CD138 antibody and an CD138-HRP conjugate. The assay sample and buffer are incubated together with CD138-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 CD138 concentration since CD138 from samples and CD138-HRP conjugate compete for the anti-CD138 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD138 from the sample, fewer sites are left to bind CD138-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD138 concentration in each sample is interpolated from this standard curve. Intended Uses: This CD138 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CD138. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for SDC1/CD138 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	55749480
NCBI GeneID	6382
NCBI Accession #	NP_001006947.1
NCBI GenBank Nucleotide #	NM_001006946.1
Molecular Weight	32,462 Da
NCBI Official Full Name	syndecan-1
NCBI Official Synonym Full Names	syndecan 1
NCBI Official Symbol	SDC1
NCBI Official Synonym Symbols	SDC; CD138; SYND1; syndecan
NCBI Protein Information	syndecan-1; CD138 antigen; syndecan proteoglycan 1; heparan sulfate proteoglycan fibroblast growth factor receptor
UniProt Protein Name	Syndecan-1
UniProt Gene Name	SDC1
UniProt Synonym Gene Names	SDC; SYND1
UniProt Entry Name	SDC1_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/sdc1-cd138-canine-elisa-kits/syndecan-1-cd138/17198>