

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

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CATALOG #
AAA16834

REACTIVITY
Mouse

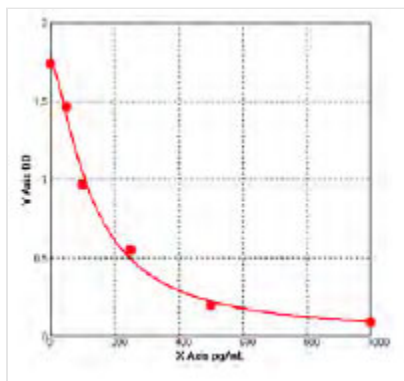
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/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

Intended Uses: This SDC-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse SDC-1. This ELISA kit for research use only!

Principle of the Assay: SDC-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-SDC-1 antibody and an SDC-1-HRP conjugate. The assay sample and buffer are incubated together with SDC-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 SDC-1 concentration since SDC-1 from samples and SDC-1-HRP conjugate compete for the anti-SDC-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SDC-1 from the sample, fewer sites are left to bind SDC-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SDC-1 concentration in each sample is interpolated from this standard curve.

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.