

## Rat Syndecan-1/CD138 ELISA Kit | SDC1/CD138 elisa kit

Rat Syndecan-1/CD138 ELISA Kit

CATALOG #  
**AAA17027**

REACTIVITY  
**Rat**

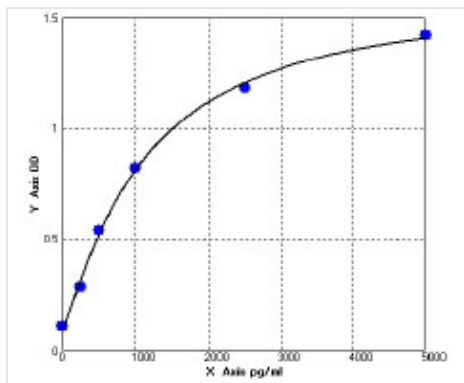
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of SDC-1. No significant cross-reactivity or interference between SDC-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SDC-1 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                  |
| Assay Type              | Quantitative Competitive or Sandwich                                                                                                                                                                                                                                                                                                                                                        |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

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|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SDC1/CD138 elisa kit | <p>Intended Uses: This SDC-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SDC-1. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: SDC-1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for SDC-1. Standards or samples are then added to the microtiter plate wells and SDC-1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of SDC-1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for SDC-1 are added to each well to "sandwich" the SDC-1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain SDC-1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.</p> |
| 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                | <b>SDC1</b>                                                                                                        |
| 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-rat-elisa-kits/syndecan-1-cd138/17027>