

## Syndecan-4 ELISA Kit | SDC4 elisa kit

Human Syndecan-4/SDC4 PicoKine ELISA Kit

CATALOG #  
**AAA46096**

REACTIVITY  
**Human. There is no detectable cross-reactivity with other relevant proteins.**

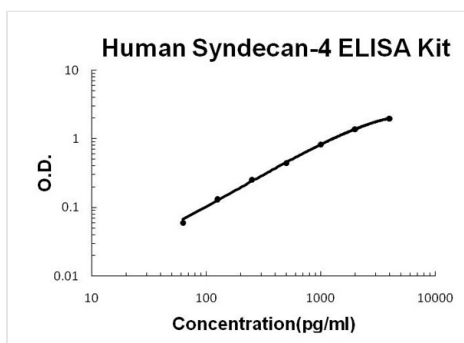
### PRODUCT SYNONYMS

Syndecan-4; Human Syndecan-4/SDC4 PicoKine ELISA Kit; Amphiglycan; MGC22217; OTTHUMP00000031788; ryudocan amphiglycan; Ryudocan; Ryudocan core protein; SDC 4; SDC4; SDC4\_HUMAN; SYND 4; SYND4; syndecan 4; syndecan 4 (amphiglycan; ryudocan); syndecan proteoglycan 4; Syndecan4; SDC4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human. There is no detectable cross-reactivity with other relevant proteins.                                                                                                                                             |
| Sequence Length         | 198                                                                                                                                                                                                                      |
| Samples                 | Cell culture supernates and serum                                                                                                                                                                                        |
| Assay Type              | Sandwich                                                                                                                                                                                                                 |
| Sensitivity             | <10pg/ml                                                                                                                                                                                                                 |
| Immunogen               | NSO, E19-E145                                                                                                                                                                                                            |
| Intra-Assay Precision   | Sample 1: n=16; Mean(pg/ml): 630; Standard deviation: 26.5; CV(%): 4.2 Sample 2: n=16; Mean(pg/ml): 1447; Standard deviation: 83.9; CV(%): 5.8 Sample 3: n=16; Mean(pg/ml): 2135; Standard deviation: 100.3; CV(%): 4.7  |
| Inter-Assay Precision   | Sample 1: n=24; Mean(pg/ml): 718; Standard deviation: 35.2; CV(%): 4.9 Sample 2: n=24; Mean(pg/ml): 1604; Standard deviation: 104.3; CV(%): 6.5 Sample 3: n=24; Mean(pg/ml): 2369; Standard deviation: 120.8; CV(%): 5.1 |
| Assay Range             | 62.5pg/ml-4000pg/ml                                                                                                                                                                                                      |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)                                                                                               |

### IMAGES



Standard Curve (Sample)

Human Syndecan-4/SDC4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Related Product Information for SDC4 elisa kit | <p><b>Description:</b> Sandwich ELISA kit of Quantitative Detection for Human Syndecan-4/SDC4</p> <p><b>Background:</b> Syndecan-4 (SDC4) is a protein that in humans is encoded by the SDC4 gene. The protein is found as a homodimer and is a member of the syndecan proteoglycan family. It is mapped to 20q13.12. Syndecan-4 is one of the four vertebrate syndecans and has a molecular weight of ~20 kDa. It is a transmembrane (type I) heparan sulfate proteoglycan that functions as a receptor in intracellular signaling. Syndecan-4 also regulates the actin cytoskeleton, cell adhesion, and cell migration. In addition, Syndecan-4 can activate protein kinase C (PKC). The variable domain of syndecan-4 could be a site of self-association. What's more, Syndecan-4 also binds to phosphatidylinositol (4,5)-bisphosphate (PIP2) through the variable domain and increases PKC activity ten-fold.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 38201675                                                                                                                          |
| NCBI GeneID                      | 6385                                                                                                                              |
| NCBI Accession #                 | NP_002990.2                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_002999.3                                                                                                                       |
| UniProt Accession #              | P31431; O00773; Q16833; Q53FN9; Q6FGN3                                                                                            |
| Molecular Weight                 | 16,545 Da                                                                                                                         |
| NCBI Official Full Name          | syndecan-4                                                                                                                        |
| NCBI Official Synonym Full Names | syndecan 4                                                                                                                        |
| NCBI Official Symbol             | SDC4                                                                                                                              |
| NCBI Official Synonym Symbols    | SYND4                                                                                                                             |
| NCBI Protein Information         | syndecan-4; amphiglycan; ryudocan amphiglycan; ryudocan core protein; syndecan proteoglycan 4; syndecan 4 (amphiglycan, ryudocan) |
| UniProt Protein Name             | Syndecan-4                                                                                                                        |
| UniProt Gene Name                | <b>SDC4</b>                                                                                                                       |
| UniProt Synonym Gene Names       | SYND4                                                                                                                             |
| UniProt Entry Name               | SDC4_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/sdc4-human-elisa-kits/syndecan-4/46096>