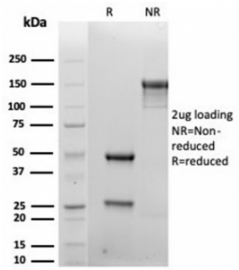
# Recombinant SDC1 Antibody / Syndecan-1 / CD138 [clone rSDC1/6866] (V5512)

| Catalog No. | Formulation | Size |
|---|---|---|
| V5512-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5512-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5512SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Recombinant | MOUSE MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Recombinant Mouse Monoclonal |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | rSDC1/6866 |
| **Purity** | Protein A/G affinity |
| **UniProt** | P18827 |
| **Localization** | Extracellular, Membrane |
| **Applications** | Flow cytometry: 1-2ug/million cells<br>Immunohistochemistry (FFPE): 1-2ug/ml |
| **Limitations** | This recombinant SDC1 antibody is available for research use only. |




SDS-PAGE analysis of purified, BSA-free recombinant SDC1 antibody (clone rSDC1/6866) as confirmation of integrity and purity.

## Description

CD138, also designated syndecan-1, is a member of the syndecan family of four transmembrane spanning proteins capable of binding to heparan sulfate and chondroitin sulfate molecules. The syndecans main functions are to control cell growth and differentiation as well as to maintain cell adhesion and cell migration. Under normal conditions CD138 is predominantly expressed on mature plasma cells and early preB-cells, while other haematolymphoid cells are negative. Various types of epithelial cells are also CD138 positive. Squamous epithelial cells show strong membranous and some cytoplasmic staining, except for the mature superficial squamous epithelial cells which are unstained. Mature mesenchymal and neural tissues are not stained. Among haematolymphoid neoplasms, CD138 is expressed in practically all cases of plasma cell malignancies. Among non-haematolymphoid neoplasms the expression of CD138 is found in various types of carcinoma.

## Application Notes

Optimal dilution of the recombinant SDC1 antibody should be determined by the researcher.

## Immunogen

A recombinant fragment (within amino acids 200-300) of human CD138 protein was used as the immunogen for the recombinant SDC1 antibody.

## Storage

Aliquot the recombinant SDC1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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