

CD138 Rabbit mAb

Catalog No.: A25635 **Recombinant**

Basic Information

Observed MW

Refer to figures

Calculated MW

32 kDa

Category

Primary antibody

Applications

IHC-P,FC,ELISA

Cross-Reactivity

Human

CloneNo number

ARC68246

Background

The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-1 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-1 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length natures of only two have been described to date. These two represent the major variants of this gene and encode the same protein.

Recommended Dilutions

IHC-P 1:1000 - 1:4000

FC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

6382

Swiss Prot

P18827

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

SDC; CD138; SYND1; syndecan

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

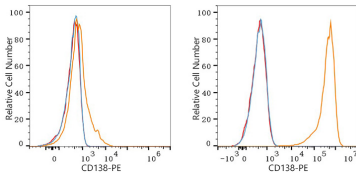
Affinity purification

Storage

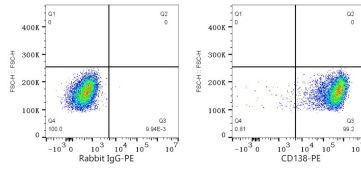
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

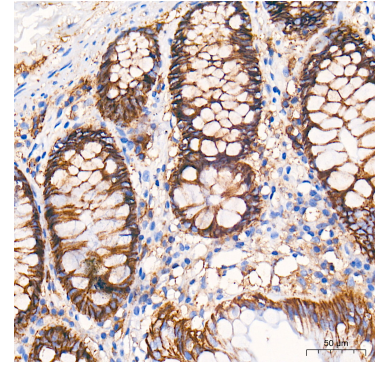
Validation Data



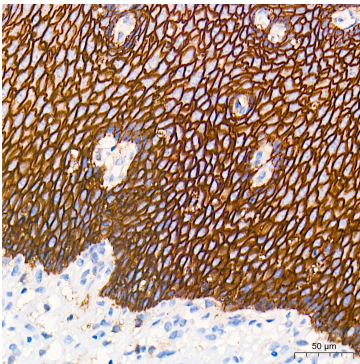
Flow cytometry: 1×10^6 HEL cells (negative control, left) and U266 cells (right) were surface-stained with CD138 Rabbit mAb (A25635, 2 $\mu\text{g}/\text{mL}$, orange line) or Rabbit IgG (A25635, 2 $\mu\text{g}/\text{mL}$, blue line), followed by PE Donkey anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



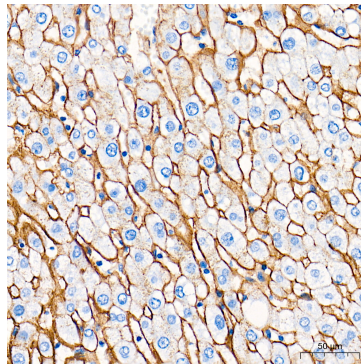
Flow cytometry: 1×10^6 U266 cells were surface-stained with Rabbit IgG isotype control (AC042, 2 $\mu\text{g}/\text{mL}$, left) or CD138 Rabbit mAb (A25635, 2 $\mu\text{g}/\text{mL}$, right), followed by PE Donkey anti-Rabbit pAb staining.



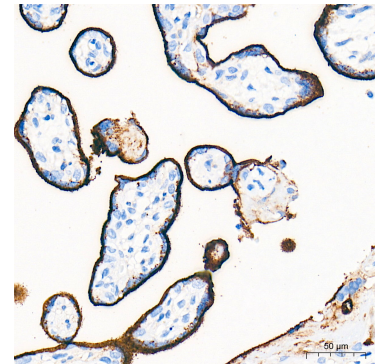
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using CD138 Rabbit mAb (A25635) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using CD138 Rabbit mAb (A25635) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using CD138 Rabbit mAb (A25635) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using CD138 Rabbit mAb (A25635) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.