

ABflo® 647 Rabbit anti-Human CD138/Syndecan-1 mAb**Catalog No.: A25618****Basic Information****Observed MW****Calculated MW**

32kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC68246

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

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 nature of only two have been described to date. These two represent the major variants of this gene and encode the same protein.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

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

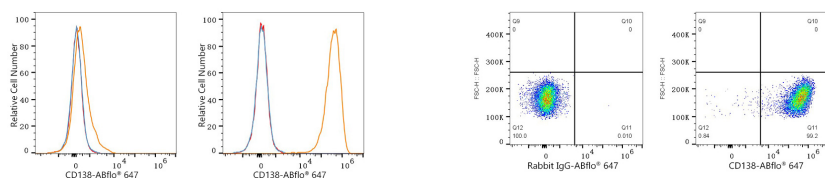
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% 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 ABflo® 647 Rabbit anti-Human CD138 mAb (A25618, 5 μ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 U266 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μ l/Test, left) or ABflo® 647 Rabbit anti-Human CD138 mAb (A25618, 5 μ l/Test, right).