

## 12-9035: Anti-CD138 antibody(DM45), Rabbit mAb

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DM45
<b>Application :</b>	ELISA,FACS
<b>Reactivity :</b>	Human
<b>Alternative Name :</b>	SDC1, Syndecan-1, CD138, SYND1, SDC
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Recombinant human CD138 (Gln23-Gly254) produced by using human HEK293 cells

### Description

Syndecan-1 (SYND1 or SDC1) is also known as CD antigen CD138, 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 / SDC1 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. It is a useful marker for plasma cells, but only if the cells tested are already known to be derived from blood.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	Preservative: 0.1% Procline 300 Constituents: 50% Glycerol; PBS,pH 7.4; 0.1% BSA Not Sterile
<b>Storage condition :</b>	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

### Application Note

Recommended Dilutions ELISA 1/5000-10000;FACS 1/100

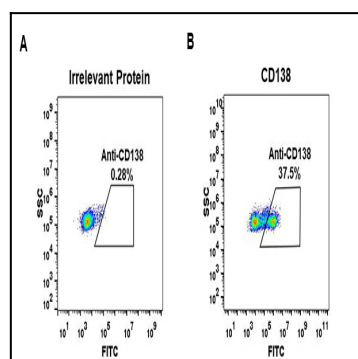


Figure 1. Expi 293 cell line transfected with irrelevant protein (A) and human CD138 (B) were surface stained with Rabbit anti-CD138 monoclonal antibody 1µg/ml (clone: DM45) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

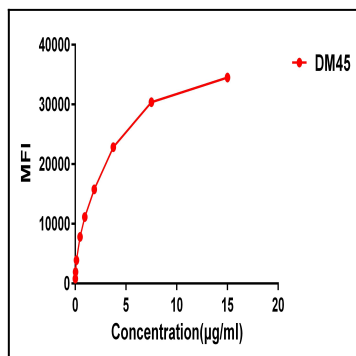


Figure 2. FACS data of serially titrated Rabbit anti-CD138 monoclonal antibody (clone: DM45) on H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

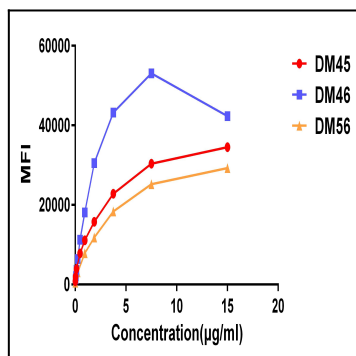


Figure 3. Affinity ranking of different Rabbit anti-CD138 mAb clones by titration of different concentration onto H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.