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12-9036: Anti-CD138 antibody(DM46), Rabbit mAb(Discontinued)

Clonality :	Monoclonal
Clone Name :	DM46
Application :	ELISA,FACS
Reactivity :	Human
Alternative Name :	SDC1, Syndecan-1, CD138, SYND1, SDC
Isotype :	Rabbit IgG
Immunogen Information :	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

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

Application Note

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

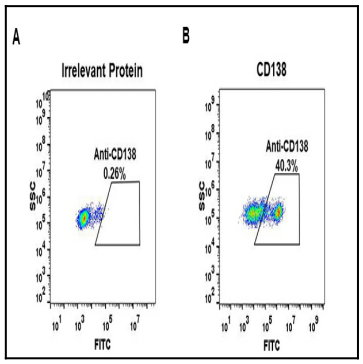


Figure 1. Expi 293 cell line transfected with irrelevant protein (A) and human CD138 (B) were surface stained with Rabbit anti-CD138 monoclonal antibody 1µg/ml (clone: DM46) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

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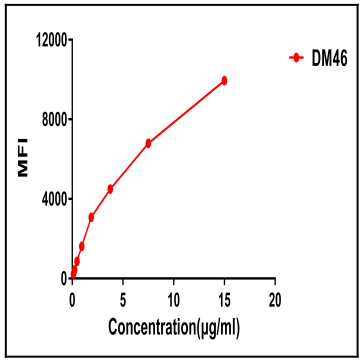


Figure 2. FACS data of serially titrated Rabbit anti-CD138 monoclonal antibody (clone: DM46) on H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

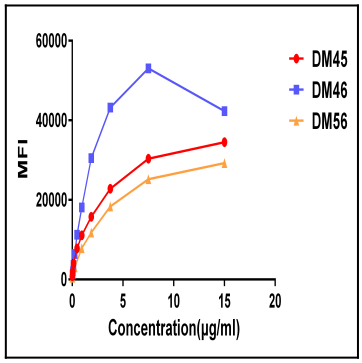


Figure 3. Affinity ranking of different Rabbit anti-CD138 mAb clones by titration of different concentration onto H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

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