CD138 (DM56) RABBIT MAB

: 28355

: CD138(DM56) Rabbit Monoclonal Antibody

: SDC1; Syndecan-1; CD138; SYND1; SDC

: CD138 antibody(DM56) Rabbit Monoclonal Antibody

: 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.

: ELISA; Flow Cyt

ELISA 1:5000-10000; Flow Cyt 1:100

: Rabbit

: Rabbit IgG

: Purified from cell culture supernatant by affinity chromatography

: Human CD138

: Lyophilized from sterile PBS, pH 7.4. 5 % – 8% trehalose is added as protectants before lyophilization.

: Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing).
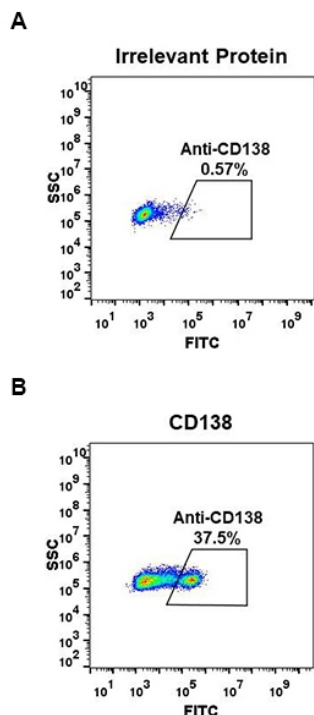
A

B

Figure 1. Expi 293 cell line transfected with irrelevant protein (A) and human CD138 (B) were surface stained with Rabbit CD138 monoclonal antibody 1μg/ml (clone: DM56) followed by Alexa 488-conjugated rabbit IgG secondary antibody.
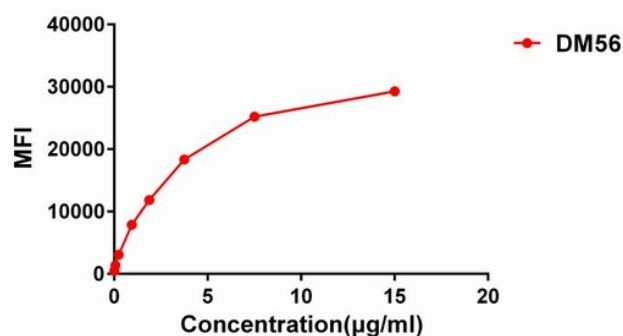

Figure 2. Flow cytometry data of serially titrated Rabbit CD138 monoclonal antibody (clone: DM56) on H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.
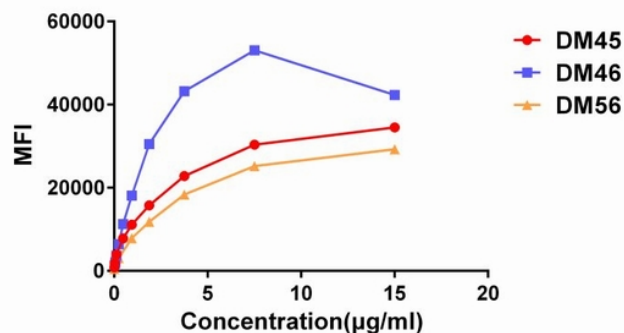

Figure 3. Affinity ranking of different Rabbit CD138 mAb clones by titration of different concentration onto H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.