CD138 (DM45) RABBIT MAB

Cat.#: 28336
Product Name: Anti-CD138(DM45) Rabbit Monoclonal Antibody
Synonyms: SDC1; Syndecan-1; CD138; SYND1; SDC
Description: Anti-CD138 antibody(DM45) Rabbit Monoclonal Antibody
Background: 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.
Applications: ELISA; Flow Cyt
Recommended Dilutions: ELISA 1:5000-10000; Flow Cyt 1:100
Host Species: Rabbit
Isotype: Rabbit IgG
Purification: Purified from cell culture supernatant by affinity chromatography
Species Reactivity: Human CD138
Constituents: Lyophilized from sterile PBS, pH 7.4. 5 % – 8% trehalose is added as protectants before lyophilization.
Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

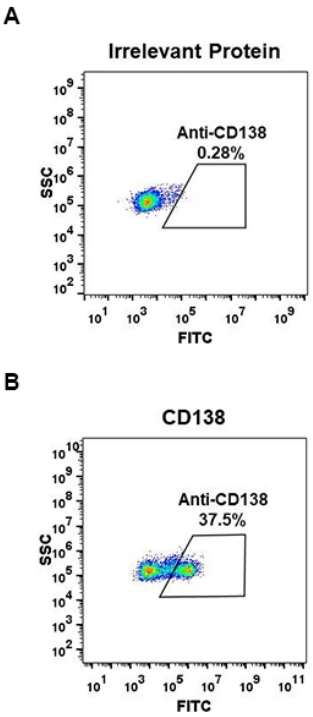

Figure 1. Expi 293 cell line transfected with irrelevant protein (A) and human CD138 (B) were surface stained with Rabbit anti-CD138 monoclonal antibody 1μg/ml (clone: DM45) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

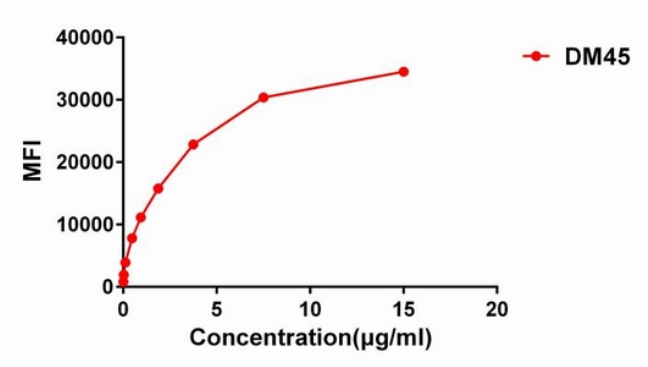

Figure 2. Flow cytometry data of serially titrated Rabbit anti-CD138 monoclonal antibody (clone: DM45) on H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

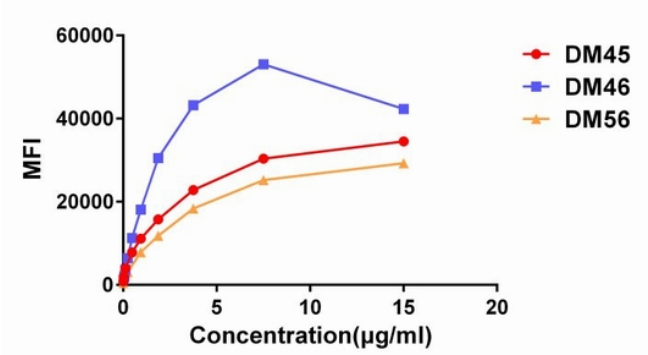

Figure 3. Affinity ranking of different Rabbit anti-CD138 mAb clones by titration of different concentration onto H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.