Description

Reconstitution

Background



PRODUCT INFORMATION

Target CD20

B1; Bp35; CVID5; FMC7; LEU-16; MS4A1; S7 **Synonyms** Human CD20 full length protein membrane

nanoparticles (MNPs)

Delivery In Stock **Uniprot ID** P11836 **Expression Host HEK293**

Protein Families Druggable Genome, Transmembrane

Protein Pathways Hematopoietic cell lineage

The human full length CD20 protein has a MW of **Molecular Weight**

33.1 kDa

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation &

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

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). Lyophilized proteins are shipped at ambient Storage & Shipping

temperature.

A member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule

which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which

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encode the same protein.

Usage Research use only

Conjugate Unconjugated

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ELISA assay to evaluate CD20-MNPs 0.5µg Human CD20-MNPs per well

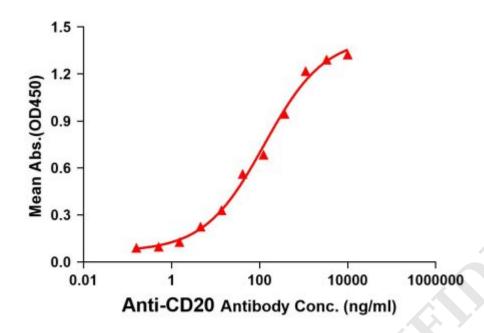


Figure 1. Elisa plates were pre-coated with $0.5\mu g/per$ well purified human CD20 full length membrane nanoparticles. Serial diluted anti-CD20 monoclonal antibody (BME100160) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CD20 monoclonal antibody binding with CD20 full length membrane nanoparticles is 128.8ng/ml.

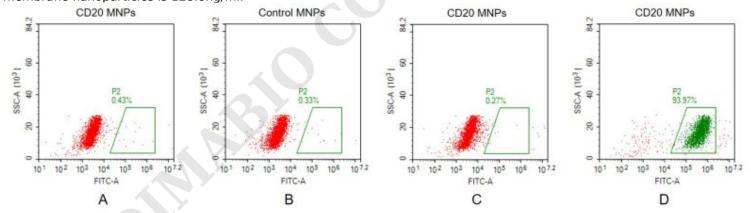


Figure 2. FACS analysis of CD20 MNPs A. Negative Control 1: CD20 full length membrane nanoparticles samples were stained only with Goat anti-human IgG 488 secondary antibody. B. Negative Control 2: Control membrane nanoparticles samples were stained with anti-CD20 antibody (BME100160) at $2\mu g/mL$, followed by Goat anti-human IgG 488 secondary antibody. C. Negative Control 3: CD20 full length membrane nanoparticles samples were stained with anti-CCR8 antibody (an irrelevant antibody) at $2\mu g/mL$, followed by Goat anti-human IgG 488 secondary antibody. D. CD20 full length membrane nanoparticles samples were stained with anti-CD20 antibody (BME100160) at $2\mu g/mL$, followed by Goat anti-human IgG 488 secondary antibody.

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