## **PRODUCT INFORMATION**

Tag C-Flag Tag CD20 **Target** 

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

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

Druggable Genome, Transmembrane **Protein Families** 

**Protein Pathways** Hematopoietic cell lineage

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

33.1 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before Formulation & Reconstitution 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). Storage & Shipping Lyophilized proteins are shipped at ambient

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

encode the same protein.

Usage Research use only Conjugate Unconjugated

**Background** 

Figure 1. Elisa plates were added with Flag Tag CD20-Nanodisc (0.2µg/per well) on an anti-Flag monoclonal antibody precoated (0.5µg/per well) plate. 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-Nanodisc is 514.4ng/ml.

Figure 2. Human CD20-Nanodisc, Flag Tag on SDS-PAGE

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