

## HUMAN CD20 FULL LENGTH PROTEIN

**Cat.#:** 11010

**Product Name:** Human CD20 Full Length Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** B1; Bp35; CVID5; FMC7; LEU-16; MS4A2; S7

**Target:** CD20

**UNIPROT ID:** P11836

**Description:** Human CD20 full length protein-synthetic nanodisc

**Background:** 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.

**Species/Host:** HEK293

**Molecular Weight:** The human full length CD20 protein has a MW of 33.1 kDa

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 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). Lyophilized proteins are shipped at ambient temperature.

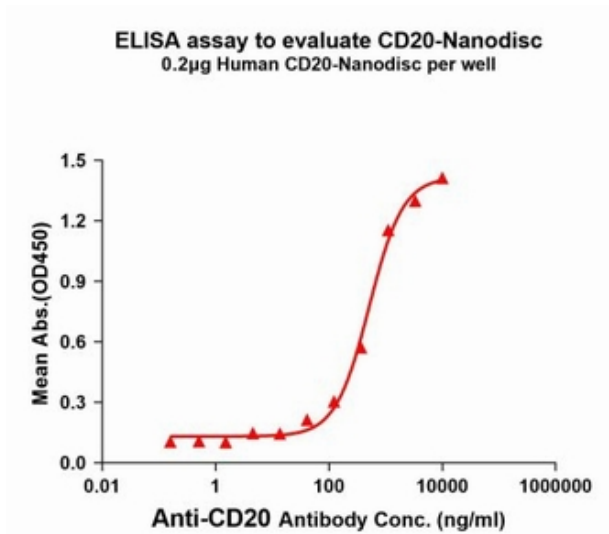


Figure1. Elisa plates were added with Flag Tag CD20-Nanodisc (0.2 µg/per well) on an anti-Flag monoclonal antibody pre-coated (0.5 µg/per well) plate. Serial diluted anti-CD20 monoclonal antibody (28152) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CD20 monoclonal antibody binding with CD20-Nanodisc is 514.4ng/ml.

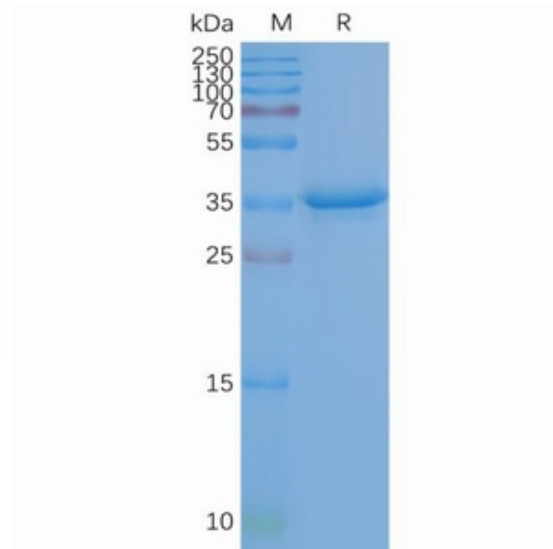


Figure2. Human CD20-Nanodisc, Flag Tag on SDS-PAGE