

Biotinylated Human CD20/MS4A1 Protein-Nanodisc

Cat. No. CD2-HM12NB



Description

Source	Recombinant Biotinylated Human CD20/MS4A1 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Pro297.
Accession	P11836-1
Molecular Weight	The protein has a predicted MW of 46.0 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.

Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

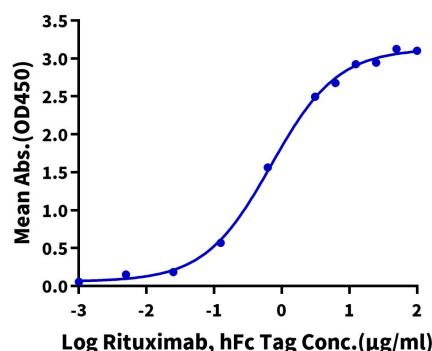
B-lymphocyte antigen CD20 or CD20 is an activated-glycosylated phosphoprotein expressed on the surface of all B-cells beginning at the pro-B phase (CD45R , CD117) and progressively increasing in concentration until maturity. CD20 is the target of the monoclonal antibodies rituximab, ocrelizumab, obinutuzumab, ofatumumab, ibritumomab tiuxetan, tositumomab, and ublituximab, which are all active agents in the treatment of all B cell lymphomas, leukemias, and B cell-mediated autoimmune diseases.

Assay Data

ELISA Data

Biotinylated Human CD20 Nanodisc, His Tag ELISA

1µg Biotinylated Human CD20 Nanodisc, His Tag Per Well

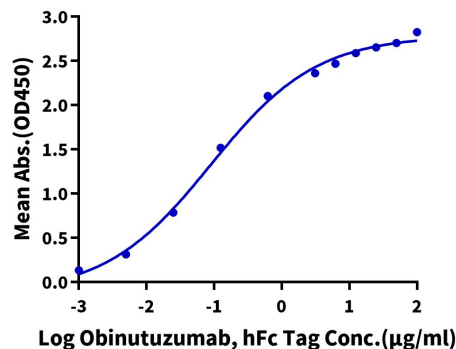


Immobilized Biotinylated Human CD20 Nanodisc, His Tag at 10µg/ml(100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Rituximab, hFc Tag with the EC50 of 0.70µg/ml determined by ELISA.

ELISA Data

Biotinylated Human CD20 Nanodisc, His Tag ELISA

1µg Biotinylated Human CD20 Nanodisc, His Tag Per Well



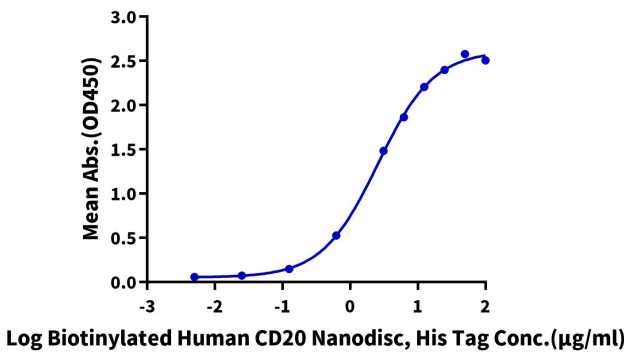
Immobilized Biotinylated Human CD20 Nanodisc, His Tag at 10µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Obinutuzumab, hFc Tag with the EC50 of 0.09µg/ml determined by ELISA.

Assay Data

ELISA Data

Biotinylated Human CD20 Nanodisc, His Tag ELISA

0.5µg Ofatumumab, hFc Tag Per Well



Immobilized Ofatumumab, hFc Tag at 5µg/ml(100µl/well) on the plate. Dose response curve for Biotinylated Human CD20 Nanodisc, His Tag with the EC50 of 2.57µg/ml determined by ELISA.