

PRODUCT INFORMATION

Warning: Undefined variable ShasAttributeValueDescription in C\u00e4wwroot\u00fcmirror.dimabio.com\u00e4wp-content\plugins\u00e4woocommerce-print-products\u00e4ublic\u00e4class-woocommerce-print-products-public.php on line 2806 C-flag Tag Tag

C5A; C5AR; C5R1; CD88

Human C5AR1 full length protein-synthetic nanodisc

Delivery Uniprot ID P21730 Expression Host HEK293

Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways Complement and coagulation cascades, Neuroactive ligand-receptor interaction

Molecular Weigh

The human full length CSAR1 protein has a MW of 39.3 kDa Receptor for the chemotactic and inflammatory peptide anaphylatoxin CSa. The ligand interacts with at least two sites on the receptor: a high-affinity site on the extracellular N-terminus, and a second site in the transmembrane region which activates downstream signaling events. Receptor activation stimulates chemotaxis, granule enzyme release, intracellular release and superoxide ainon production. Background

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. 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 temperature.

Usage Research use only Conjugate Unconjugated

ELISA assay to evaluate C5AR1-Nanodisc 0.2µg Human C5AR1-Nanodisc per well

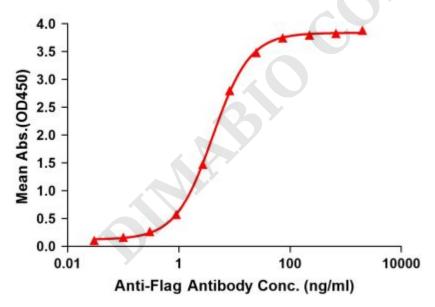


Figure 1. Elisa plates were pre-coated with Flag Tag C5AR1-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with C5AR1-Nanodisc is 4.088ng/ml.

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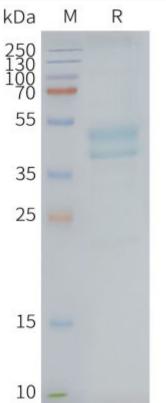


Figure 2. Human C5AR1-Nanodisc, Flag Tag on SDS-PAGE



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