

PRODUCT INFORMATION

C-Flag Tag Tag **Target** C5AR1

Synonyms C5A; C5AR; C5R1; CD88

Human C5AR1 full length protein-synthetic **Description**

nanodisc **Delivery** In Stock **Uniprot ID** P21730 **Expression Host HEK293**

Protein Families Druggable Genome, GPCR, Transmembrane

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

The human full length C5AR1 protein has a MW of **Molecular Weight**

39.3 kDa

peptide anaphylatoxin C5a. The ligand interacts with at least two sites on the receptor: a highaffinity site on the extracellular N-terminus, and a second site in the transmembrane region which

Receptor for the chemotactic and inflammatory

Background activates downstream signaling events. Receptor

activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and

superoxide anion production

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. Do not use solvents with

a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

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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

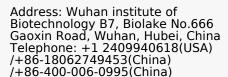
temperature.

Usage Research use only

Conjugate Unconjugated

Formulation &

Reconstitution







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

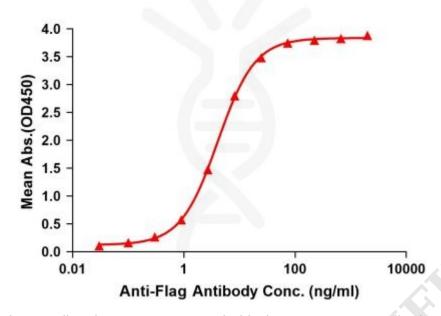


Figure 1. Elisa plates were pre-coated with Flag Tag C5AR1-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with C5AR1-Nanodisc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



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

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