

HUMAN C5AR1 FULL LENGTH PROTEIN

Cat.#: 11067

Product Name: Human C5AR1 Full Length Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: C5A; C5AR; C5R1; CD88

Target: C5AR1

UNIPROT ID: P21730

Description: Human C5AR1 full length protein-synthetic nanodisc

Background: Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a. 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 calcium release and superoxide anion production

Species/Host: HEK293

Molecular Weight: The human full length C5AR1 protein has a MW of 39.3 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.

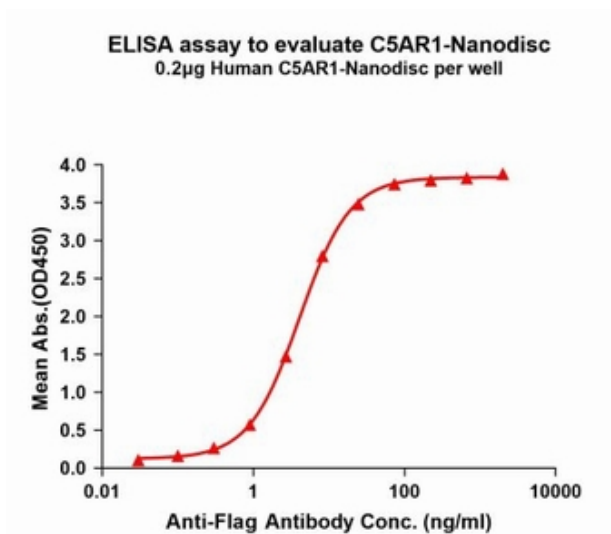


Figure1. Elisa plates were pre-coated with Flag Tag C5AR1-Nanodisc (0.2 µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with C5AR1-Nanodisc is 4.088ng/ml.

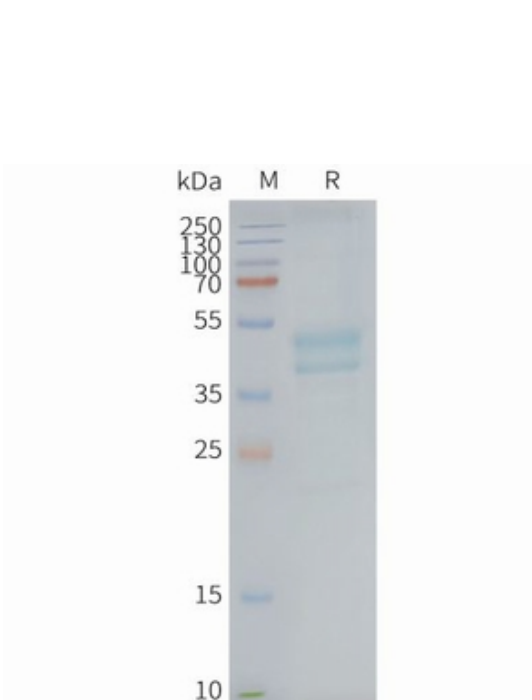


Figure2. Human C5AR1-Nanodisc, Flag Tag on SDS-PAGE