

PRODUCT INFORMATION

Tag	N-His, C-Single Strep Tag
Expression Host	E.coli
Target	C5AR1
Description	Human C5AR1 cell-free full length protein-Nanodisc
Synonyms	C5A; C5AR; C5R1; CD88
Uniprot ID	P21730
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Complement and coagulation cascades, Neuroactive ligand-receptor interaction
Molecular Weight	The human C5AR1 cell-free full length protein-Nanodisc has a MW of 41.6kDa
Delivery	1 week
Formulation & Reconstitution	Liquid, 50mM HEPES, 150mM NaCl, pH7.5
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
Storage&Shipping	Store at -80°C, Ship on dry ice.
Purity	>85%
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
Usage	Research use only
Conjugate	Unconjugated



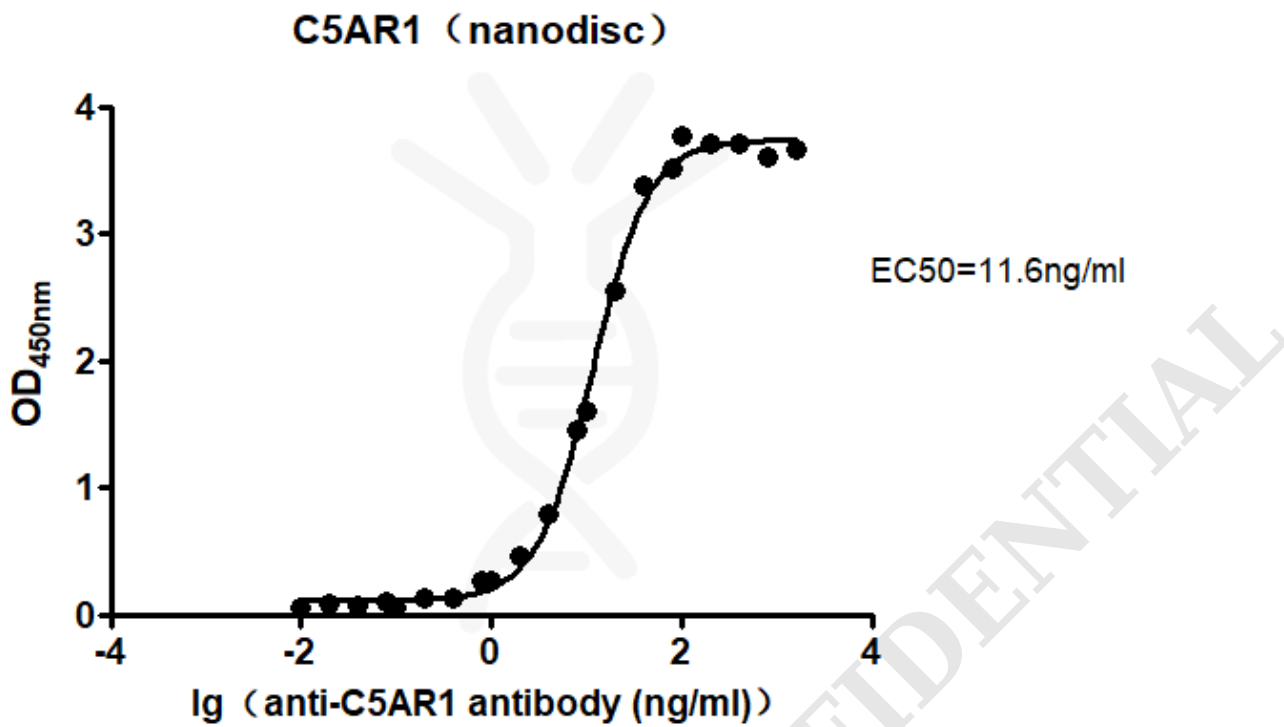


Figure 1. Elisa plates were pre-coated with N-His, C-Single Strep Tag C5AR1 cell-free-Nanodisc (0.5 μ g/per well). Serial diluted anti-C5AR1 antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC₅₀ for anti-C5AR1 antibody binding with C5AR1 cell-free-Nanodisc is 11.6 ng/mL.

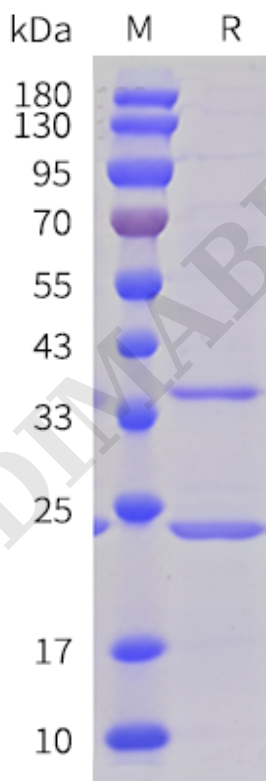


Figure 2. Human C5AR1 cell-free-Nanodisc, N-His, C-Single Strep Tag on SDS-PAGE.

