

**PRODUCT INFORMATION**

<b>Target</b>	C5AR1
<b>Synonyms</b>	C5A; C5AR; C5R1; CD88
<b>Description</b>	Recombinant Cynomolgus C5AR1 protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	A0A7N9IH82
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc tag
<b>Molecular Characterization</b>	Cynomolgus C5AR1(Met1-Arg34) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 30.0 kDa after removal of the signal peptide.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Yefei_Storage</b>	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.
<b>Background</b>	Enables G protein-coupled receptor activity and complement component C5a receptor activity. Involved in several processes, including complement component C5a signaling pathway; mRNA transcription by RNA polymerase II; and positive regulation of ERK1 and ERK2 cascade. Located in apical part of cell and basolateral plasma membrane. Biomarker of Alzheimer's disease; asthma; chronic obstructive pulmonary disease; rhinitis; and severe acute respiratory syndrome. [provided by Alliance of Genome Resources, Jun 2025]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



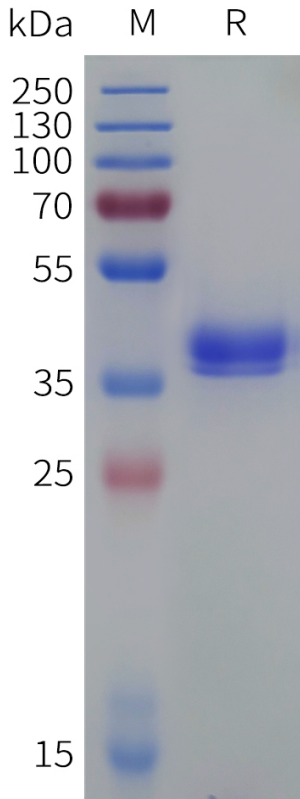


Figure 1. Cynomolgus C5AR1 Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human C5AR1, hFc Tagged protein ELISA

0.2 µg of Cynomolgus C5AR1, hFc tagged protein per well

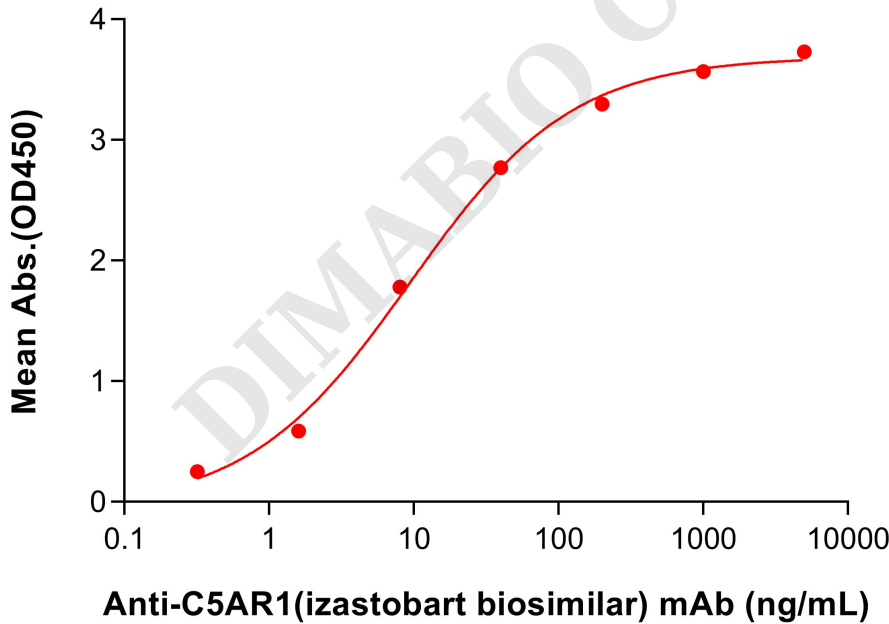


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Cynomolgus C5AR1 Protein, hFc Tag (PME-C100092) can bind Anti-C5AR1(izastobart biosimilar) mAb (BME100544) in a linear range of 1.6-40 ng/mL.

