PRODUCT INFORMATION

Target	C5AR1
Synonyms	C5A; C5AR; C5R1; CD88
Description	Recombinant Cynomolgus C5AR1 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	A0A7N9IH82
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	Cynomolgus C5AR1(Met1-Arg34) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 30.0 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
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.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

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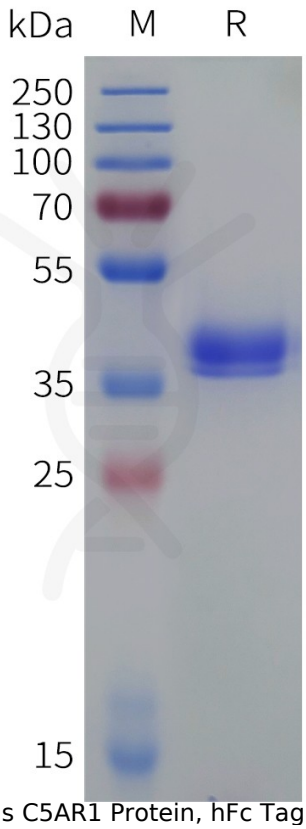


Figure 1. Cynomolgus C5AR1 Protein, hFc Tag on SDS-PAGE under reducing condition.

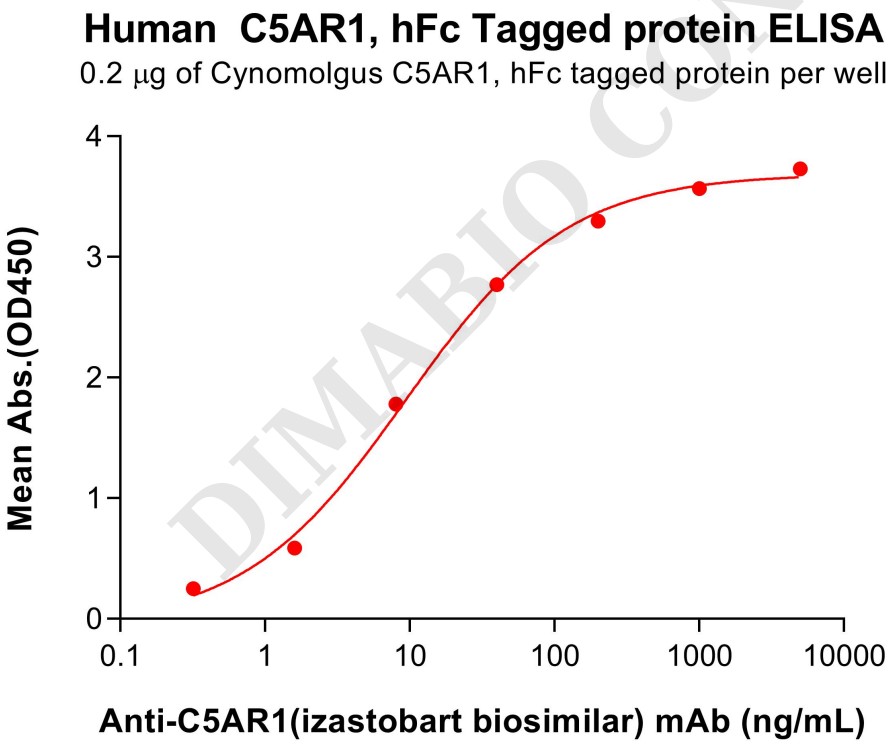


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Cynomolgus C5AR1 Protein, hFc Tag (PME-C100092) can bind Anti-C5AR1(izastobart biosimilar) mAb (BME100544) in a linear range of 1.6–40 ng/mL.

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