

PRODUCT INFORMATION

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|------------------------------|---|
| Tag | C-Flag&Strep Tag |
| Target | ACKR1 |
| Synonyms | CCBP1; CD234; DARC; DARC/ACKR1; Dfy; FY; GPD; GpFy; WBCQ1 |
| Description | Human ACKR1-Strep full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | Q16570 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways | N/A |
| Molecular Weight | The human full length ACKR1-Strep protein has a MW of 35.6 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. 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 | The protein is a glycosylated membrane protein and a non-specific receptor for several chemokines. The encoded protein is the receptor for the human malarial parasites Plasmodium vivax and Plasmodium knowlesi. Polymorphisms in this gene are the basis of the Duffy blood group system. |
| Usage | Research use only |
| Conjugate | Unconjugated |



ELISA assay to evaluate ACKR1-Strep-Nanodisc
0.2µg Human ACKR1-Strep-Nanodisc per well

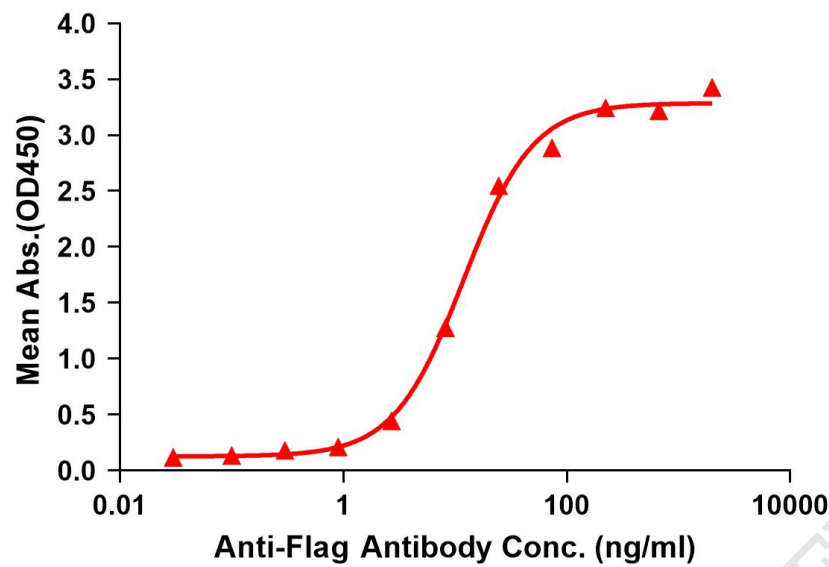


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag ACKR1-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ACKR1-Strep-nanodisc is 11.96ng/ml.

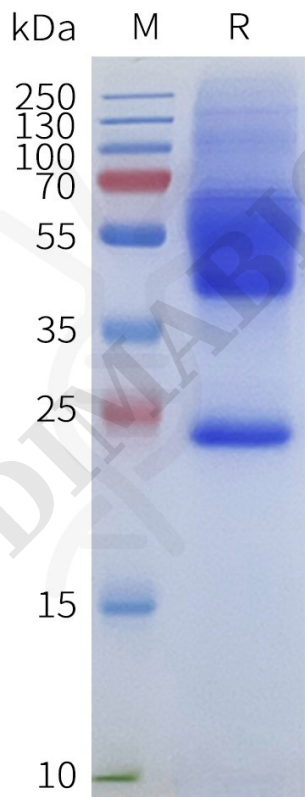


Figure 2. Human ACKR1-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

