

## **PRODUCT INFORMATION**

C-Flag Tag Tag **Target** CMKLR1

**Synonyms** CHEMERINR; ChemR23; DEZ; RVER1

Human CMKLR1 full length protein-synthetic **Description** 

nanodisc **Delivery** In Stock **Uniprot ID** Q99788 **Expression Host HEK293** 

**Protein Families** Druggable Genome, GPCR, Transmembrane

**Protein Pathways** 

Storage & Shipping

The human full length CMKLR1 protein has a MW **Molecular Weight** 

of 42.3 kDa 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 Formulation & Reconstitution

for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. 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

témperature.

Receptor for the chemoattractant adipokine chemerin/RARRES2 and for the omega-3 fatty acid derived molecule resolvin E1. Interaction with RARRES2 induces activation of intracellular signaling molecules, such as SKY, MAPK1/3 (ERK1/2), MAPK14/P38MAPK and PI3K leading to multifunctional effects, like, reduction of immune

responses, enhancing of adipogenesis and angionesis. Resolvin E1 down-regulates cytokine **Background** 

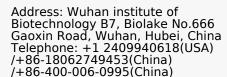
production in macrophages by reducing the activation of MAPK1/3 (ERK1/2) and NF-kappa-B. Positively regulates adipogenesis and adipocyte metabolism. Acts as a coreceptor for several SIV strains (SIVMAC316, SIVMAC239, SIVMACL7E-FR and SIVSM62A), as well as a primary HIV-1 strain

(92UG024-2).

Research use only Usage

Conjugate Unconjugated

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## ELISA assay to evaluate CMKLR1-Nanodisc 0.2µg Human CMKLR1-Nanodisc per well

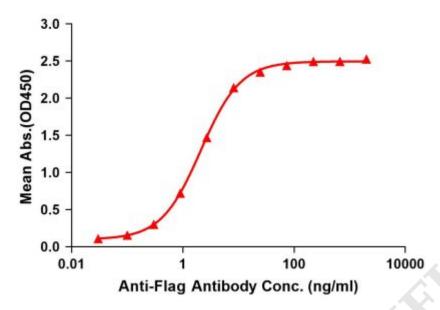


Figure 1. Elisa plates were pre-coated with Flag Tag CMKLR1-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CMKLR1-Nanodisc is 2.107ng/ml.

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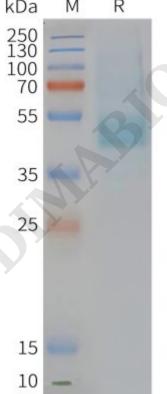


Figure 2. Human CMKLR1-Nanodisc, Flag Tag on SDS-PAGE



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