Human CXCR1 full length protein-synthetic nanodisc

Cat. No. FLP100091

PRODUCT INFORMATION

Tag	**Warning**: Undefined variable $hasAttributeValueDescription in **/www/wwwroot/tech.dimabio.cn/wp-content/plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php** on line **2806** C-Flag Tag
Target	CXCR1
Synonyms	C-C; C-C-CKR-1; CD128; CD181; CDw128a; CKR-1; CMKAR1; IL8R1; IL8RA; IL8RBA
Description	Human CXCR1 full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P25024
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis, Epithelial cell signaling in Helicobacter pylori infection
Molecular Weight	The human full length CXCR1 protein has a MW of 39.8 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
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 member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36.
Usage	Research use only
Conjugate	Unconjugated

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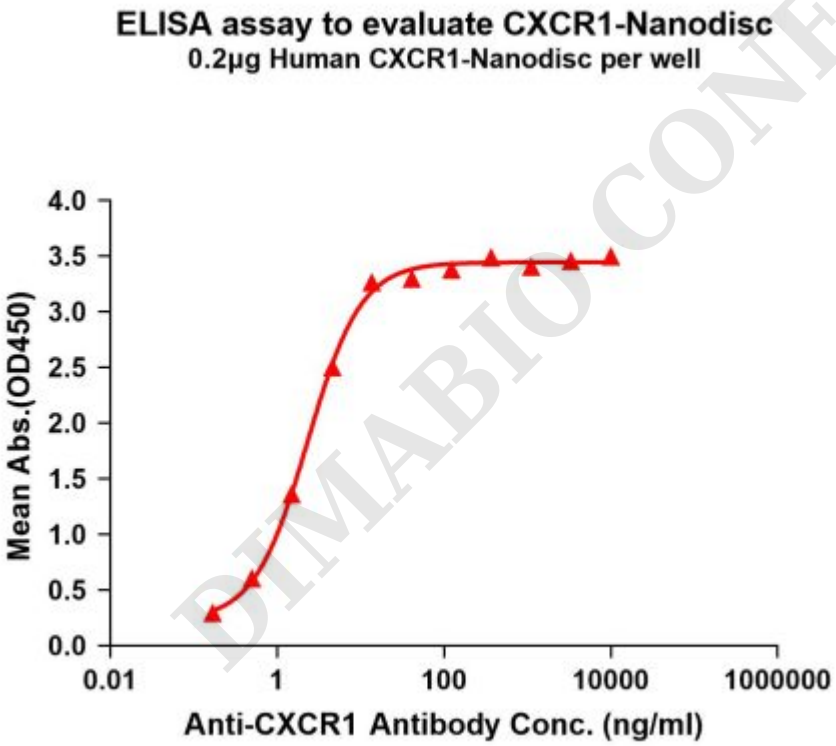


Figure1. Elisa plates were pre-coated with Flag Tag CXCR1-Nanodisc (0.2μg/per well). Serial diluted anti-CXCR1 monoclonal antibody (DMC100470) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CXCR1 monoclonal antibody binding with CXCR1-Nanodisc is 2.330ng/ml.

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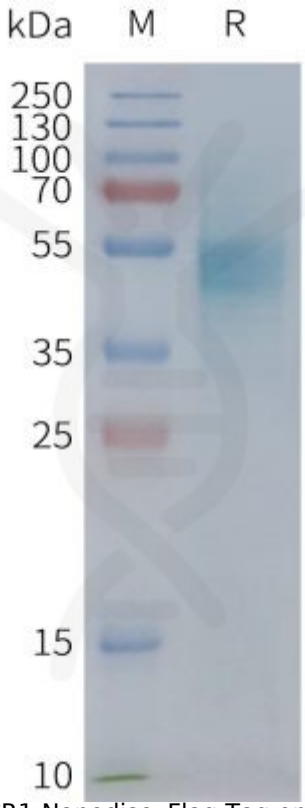


Figure2. Human CXCR1-Nanodisc, Flag Tag on SDS-PAGE

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