

PRODUCT INFORMATION

Warning: Undefined variable \$hasAttributeValueDescription in C:\www.root\mirror.dimablo.com\wp-content\plugins\woocommerce-print-products-public.php on line 2806 C-Flag Tag Tag

CB-2; CNR2; CX5

Human CB2 full length protein-synthetic nanodisc

Delivery Uniprot ID P34972 HEK293 **Expression Host**

Protein Families Druggable Genome, GPCR, Transmembrane Protein Pathways Neuroactive ligand-receptor interaction Molecular Weigh

The human full length CB2 protein has a MW of 39.7 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 for specific instructions of reconstitution. Formulation & Reconstitution

Storage & Shipping

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in Joynbilized form. After econstitution, 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. The cannabinoid delta-9-tetrahydrocannabinoi is the principal psychoactive ingredient of marijuana. The proteins encoded by this gene and the cannabinoid receptor 1 (Drain) (CNR1) gene have the characteristics of a guanine nucleotide-binding protein (G-protein)-coupled receptor for cannabinoids. They inhibit adenylate cyclase activity in a dose-dependent, stereoselective, and pertussis toxin-servie manner. These proteins have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. The cannabinoid receptors are members of family 1 of the Gprotein-coupled receptors.

Usage Research use only Unconjugated

Background

ELISA assay to evaluate CB2-Nanodisc 0.2µg Human CB2-Nanodisc per well

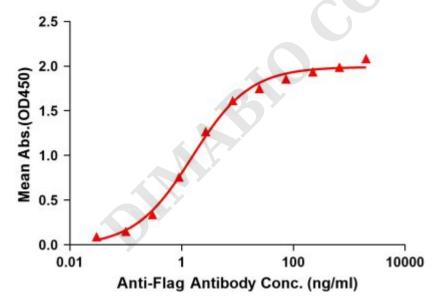
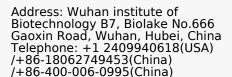


Figure 1. Elisa plates were pre-coated with Flag Tag CB2-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CB2-Nanodisc is 1.557ng/ml.



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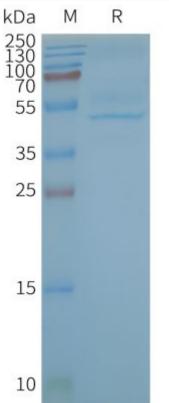


Figure 2. Human CB2-Nanodisc, Flag Tag on SDS-PAGE



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