

PRODUCT INFORMATION

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BLT1; BLTR; CMKRL1; GPR16; LTB4R1; LTBR1; P2RY7; P2Y7 Human LTB4R-Strep full length protein-synthetic nanodisc

Delivery Uniprot ID 015722 HEK293 **Expression Host**

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

Molecular Weigh The human full length LTB4R-Strep protein has a MW of 37.6 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

Store at -20°C to -80°C for I2 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.

A member of the rhodopsin subtrainly of G-protein-coupled receptors that is expressed in the pancreas and gastrointestinal tract. The encoded protein is activated by lipid amides including lysophosphatidy/choline and oleoylethanolamide and may be involved in glucose homeostasis. This protein is a potential drug target in the treatment of type 2 diabetes.

Research use only Usage Conjugate Unconjugated

ELISA assay to evaluate LTB4R-Strep-Nanodisc 0.2µg Human LTB4R-Strep-Nanodisc per well

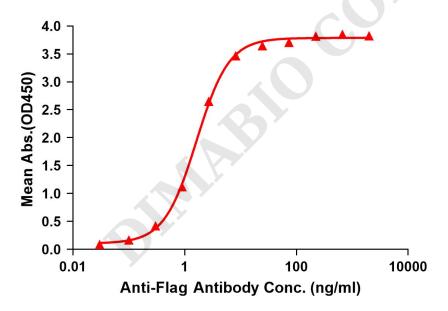


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag LTB4R-Strep-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with LTB4R-Strep-nanodisc is 1.636ng/ml.

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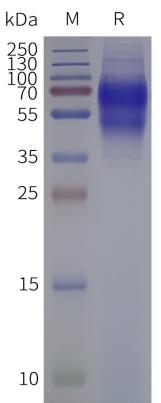


Figure 2. Human LTB4R-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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