## PRODUCT INFORMATION

| | |
|---|---|
| **Tag** | C-Flag Tag |
| **Target** | HRH3 |
| **Synonyms** | GPCR97; HH3R |
| **Description** | Human HRH3 full length protein-synthetic nanodisc |
| **Delivery** | In Stock |
| **Uniprot ID** | Q9Y5N1 |
| **Expression Host** | HEK293 |
| **Protein Families** | Druggable Genome, Transmembrane |
| **Protein Pathways** | Neuroactive ligand-receptor interaction |
| **Molecular Weight** | The human full length HRH3 protein has a MW of 48.7 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** | Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by histamine receptors H1, H2, H3 and H4. This gene encodes one of the histamine receptors (H3) which belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and can regulate neurotransmitter release. This receptor can also increase voltage-dependent calcium current in smooth muscles and innervates the blood vessels and the heart in cardiovascular system. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |



Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

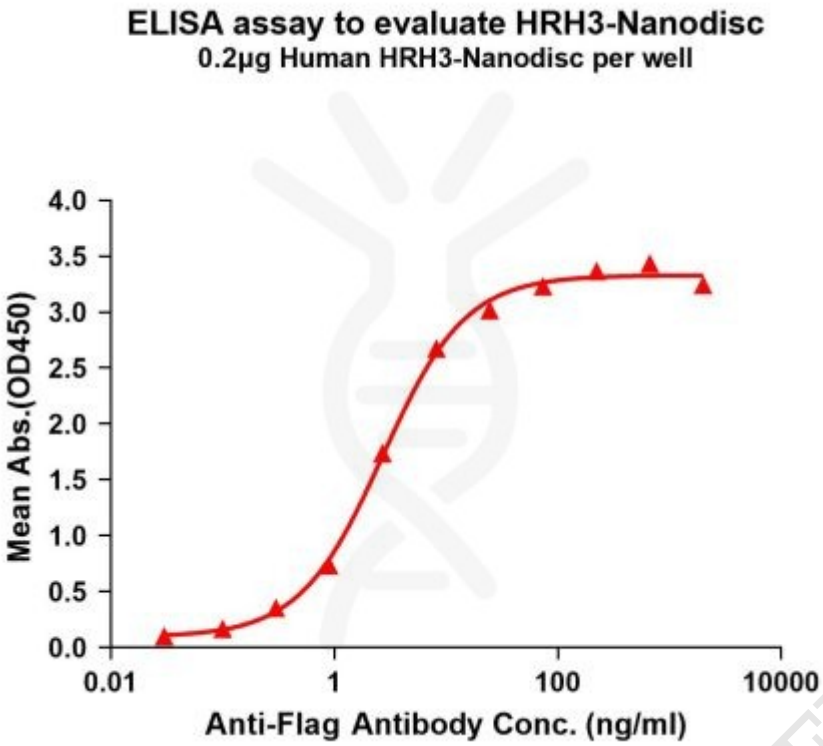


Figure1. Elisa plates were pre-coated with Flag Tag HRH3-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with HRH3-Nanodisc is 2.708ng/ml.


Figure2. Human HRH3-Nanodisc, Flag Tag on SDS-PAGE



Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com