## PRODUCT INFORMATION

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|---|---|
| **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**<br>C-Flag Tag |
| **Target** | DRD2 |
| **Synonyms** | D2DR; D2R |
| **Description** | Human DRD2 full length protein-synthetic nanodisc |
| **Delivery** | In Stock |
| **Uniprot ID** | P14416 |
| **Expression Host** | HEK293 |
| **Protein Families** | Druggable Genome, GPCR, Transmembrane |
| **Protein Pathways** | Gap junction, Neuroactive ligand-receptor interaction |
| **Molecular Weight** | The human full length DRD2 protein has a MW of 50.6 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** | This G-protein coupled receptor inhibits adenylyl cyclase activity. A missense mutation in this gene causes myoclonus dystonia; other mutations have been associated with schizophrenia. Alternative splicing of this gene results in two transcript variants encoding different isoforms. A third variant has been described, but it has not been determined whether this form is normal or due to aberrant splicing. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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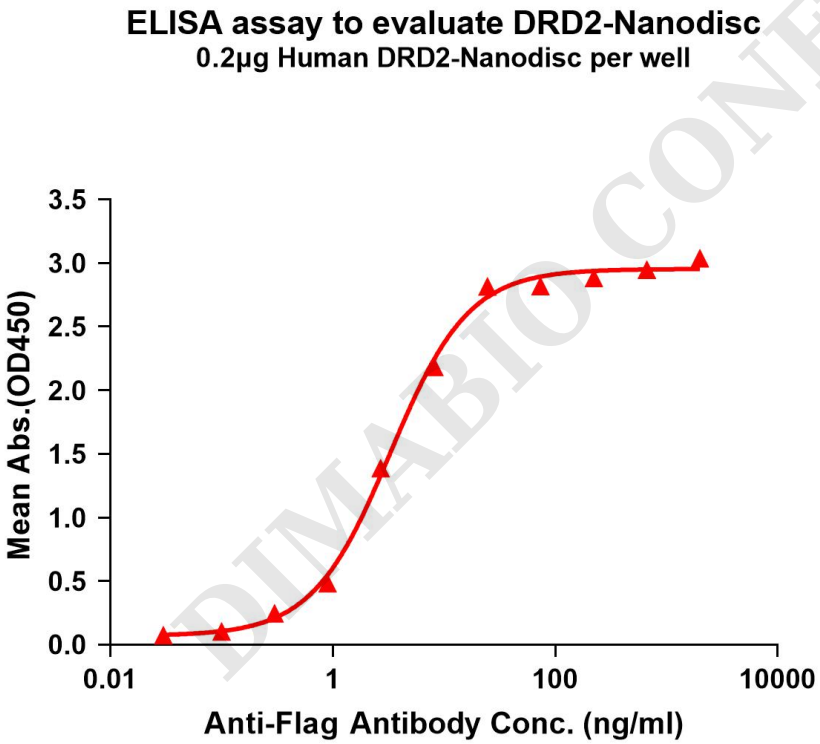



Figure1. Elisa plates were pre-coated with Flag Tag DRD2-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with DRD2-Nanodisc is 3.314ng/ml.

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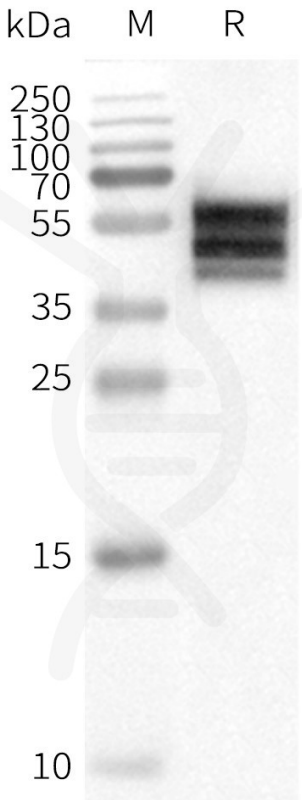



Figure2. WB analysis of Human DRD2-Nanodisc with anti-Flag monoclonal antibody at 1/5000 dilution, followed by Goat Anti-Rabbit IgG HRP at 1/5000 dilution

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