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&Strep Tag
Target	5HT2A
Synonyms	5-HT2A; HTR2
Description	Human 5HT2A-Strep full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P28223
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transcription Factors, Transmembrane
Protein Pathways	Calcium signaling pathway, Gap junction, Neuroactive ligand-receptor interaction
Molecular Weight	The human full length 5HT2A-Strep protein has a MW of 52.6 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	One of the receptors for serotonin, a neurotransmitter with many roles. Mutations in this gene are associated with susceptibility to schizophrenia and obsessive-compulsive disorder, and are also associated with response to the antidepressant citalopram in patients with major depressive disorder (MDD). MDD patients who also have a mutation in intron 2 of this gene show a significantly reduced response to citalopram as this antidepressant downregulates expression of this gene.
Usage	Research use only
Conjugate	Unconjugated

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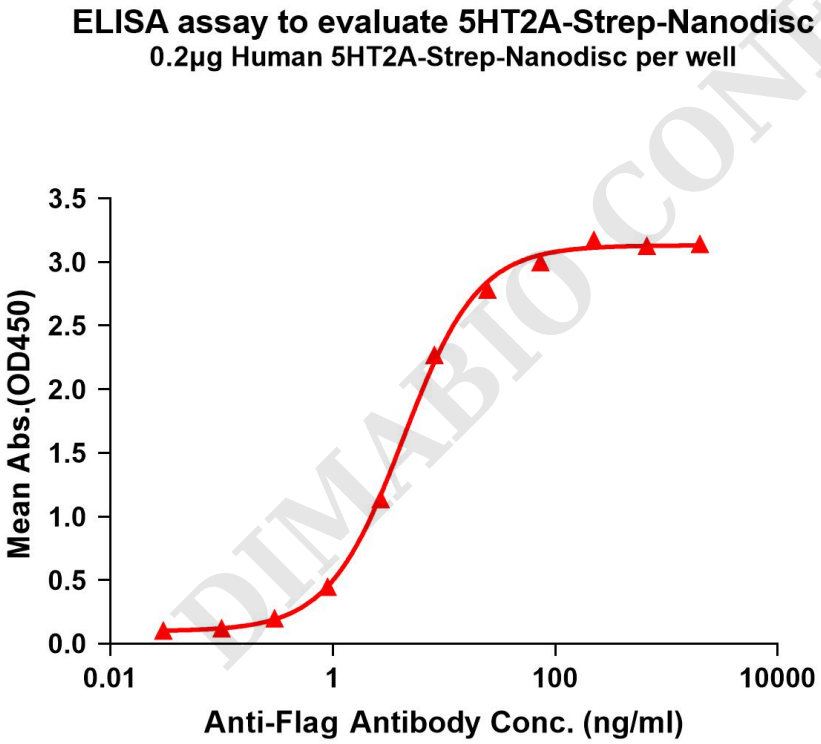


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag 5HT2A-Strep-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with 5HT2A-Strep-nanodisc is 4.320ng/ml.

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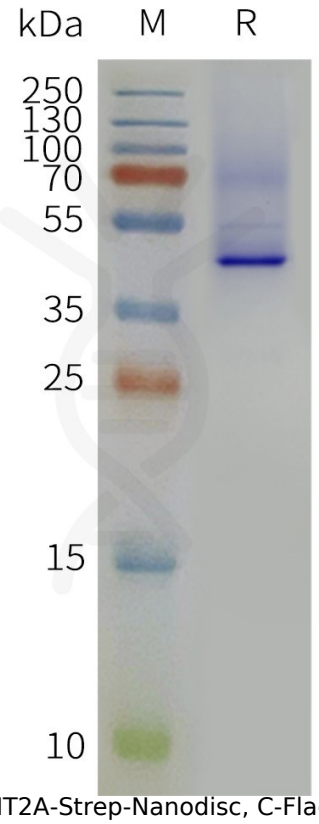


Figure 2. Human 5HT2A-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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