

PRODUCT INFORMATION

Tag	C-Flag Tag
Target	ADORA2B
Synonyms	ADORA2
Description	Human ADORA2B full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P29275
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Calcium signaling pathway, Neuroactive ligand-receptor interaction, Vascular smooth muscle contraction
Molecular Weight	The human full length ADORA2B protein has a MW of 36.3 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	An adenosine receptor that is a member of the G protein-coupled receptor superfamily. This integral membrane protein stimulates adenylate cyclase activity in the presence of adenosine. This protein also interacts with netrin-1, which is involved in axon elongation.
Usage	Research use only
Conjugate	Unconjugated



**ELISA assay to evaluate ADORA2B-Nanodisc**  
0.2µg Human ADORA2B-Nanodisc per well

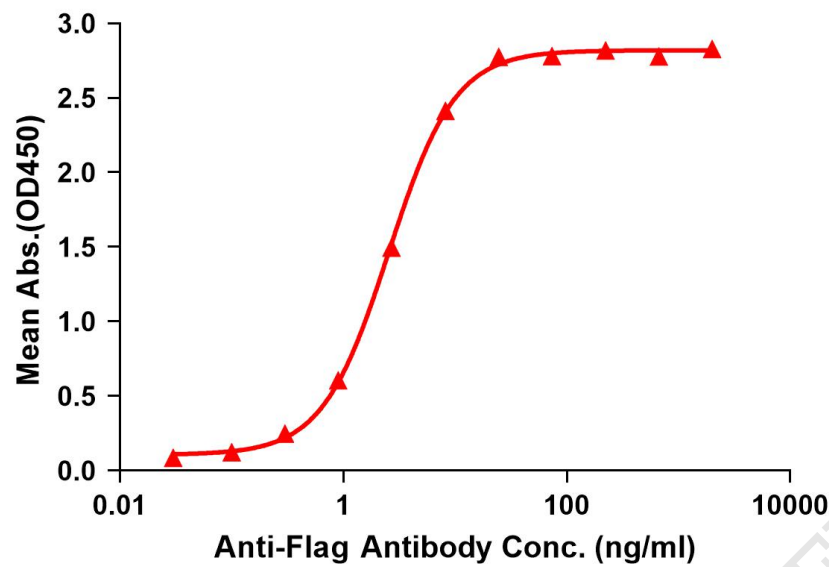


Figure 1. Elisa plates were pre-coated with Flag Tag ADORA2B-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ADORA2B-Nanodisc is 2.548ng/ml.

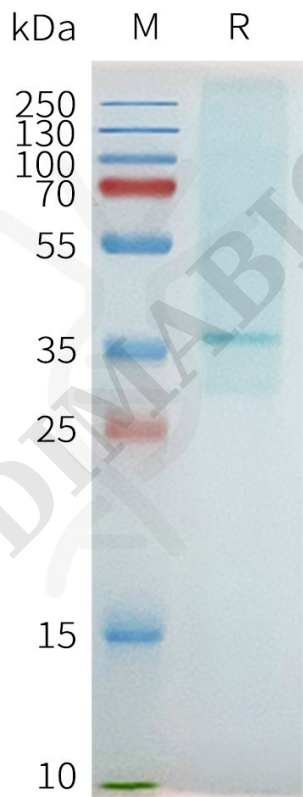


Figure 2. Human ADORA2B-Nanodisc, Flag Tag on SDS-PAGE

