

PRODUCT INFORMATION

Tag	C-Flag Tag
Target	MFSD13A
Synonyms	bA18I14.8; C10orf77; TMEM180
Description	Human MFSD13A full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	Q14CX5
Expression Host	HEK293
Protein Families	Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length MFSD13A protein has a MW of 57.4 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	MFSD13A, also called Transmembrane protein 180 (TMEM180), is a transmembrane protein that belongs to the glycoside-pentoside-hexuronide (GPH):cation symporter family. Members of this family catalyze symport of a sugar molecule with a monovalent cation (H or Na ). MFSD13A is classified as a member of the cation symporter family and a multi-pass membrane protein, but little information is available regarding its substrate and topology.
Usage	Research use only
Conjugate	Unconjugated



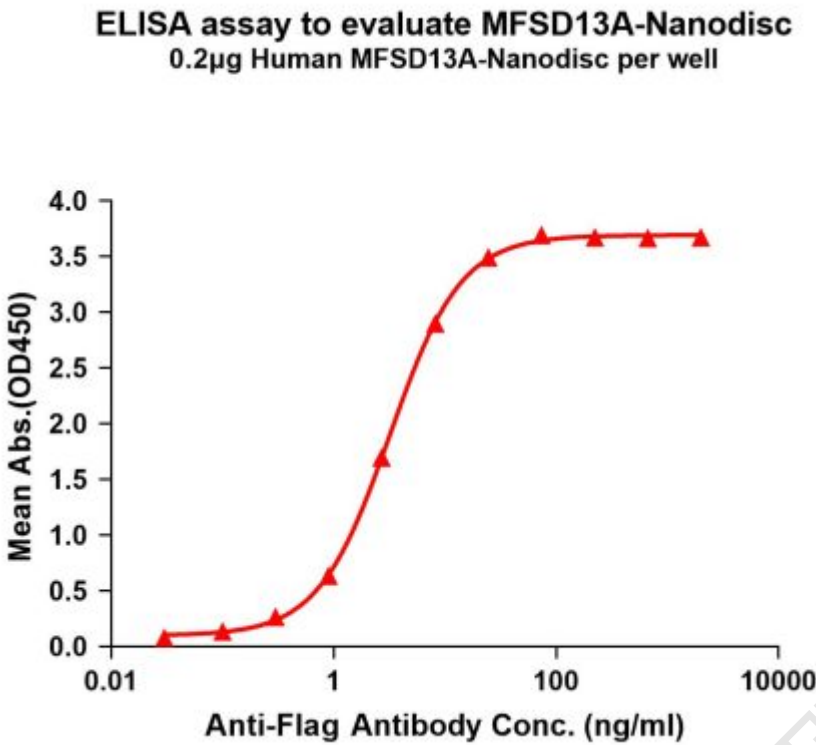


Figure1. Elisa plates were pre-coated with Flag Tag MFSD13A-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with MFSD13A-Nanodisc is 3.192ng/ml.

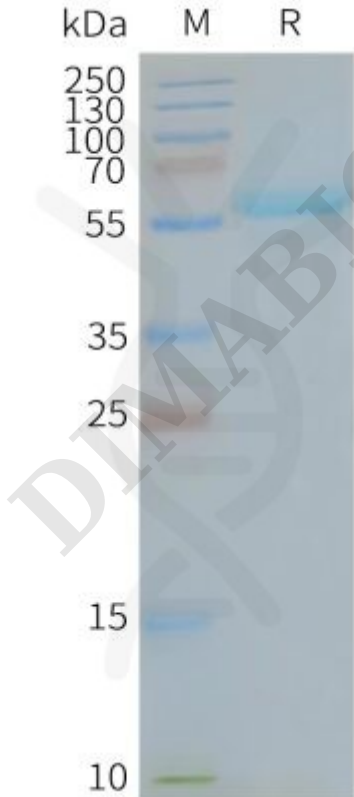


Figure2. Human MFSD13A-Nanodisc, Flag Tag on SDS-PAGE

