PRODUCT INFORMATION

Tag	C-Flag Tag
Target	GPR39
Synonyms	G-protein coupled receptor 39
Description	Human GPR39 full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	O43194
Expression Host	HEK293
Protein Families	GPCR,Transmembrane,Druggable Genome,
Protein Pathways	Cancer,
Molecular Weight	The human full length GPR39 protein has a MW of 51.3kDa
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 gene is a member of the ghrelin receptor family and encodes a rhodopsin-type G-protein-coupled receptor (GPCR). The encoded protein is involved in zinc-dependent signaling in epithelial tissue in intestines, prostate and salivary glands. The protein may also be involved in the pathophysiology of depression. [provided by RefSeq, Jun 2016]
Usage	Research use only
Conjugate	Unconjugated

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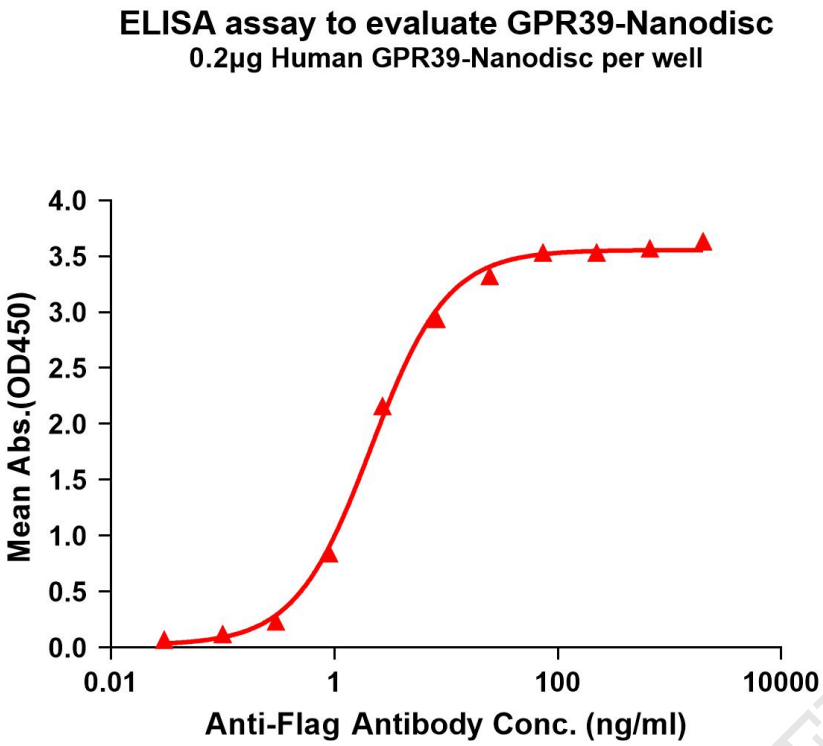

Figure 1. Elisa plates were pre-coated with Flag Tag GPR39-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GPR39-Nanodisc is 2.138ng/ml.

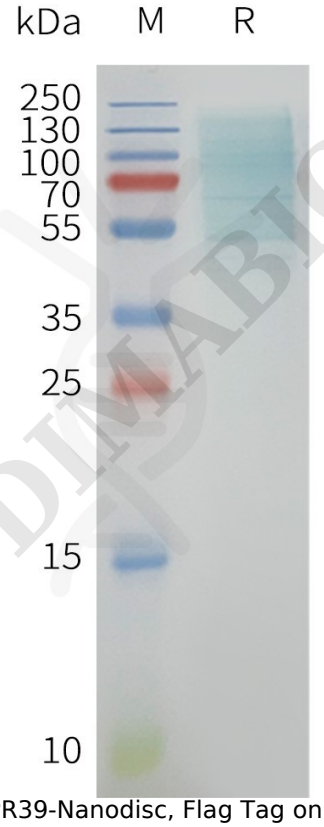

Figure 2. Human GPR39-Nanodisc, Flag Tag on SDS-PAGE

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