

PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	ADGRE1
Synonyms	EMR1; TM7LN3
Description	Human ADGRE1-Strep full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	Q14246
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length ADGRE1-Strep protein has a MW of 97.7 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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
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 protein that has a domain resembling seven transmembrane G protein-coupled hormone receptors (7TM receptors) at its C-terminus. The N-terminus of the encoded protein has six EGF-like modules, separated from the transmembrane segments by a serine/threonine-rich domain, a feature reminiscent of mucin-like, single-span, integral membrane glycoproteins with adhesive properties. Orphan receptor involved in cell adhesion and probably in cell-cell interactions specifically involving cells of the immune system. May play a role in regulatory T-cells (Treg) development.
Usage	Research use only
Conjugate	Unconjugated



ELISA assay to evaluate ADGRE1-Strep-Nanodisc
 0.2µg Human ADGRE1-Strep-Nanodisc per well

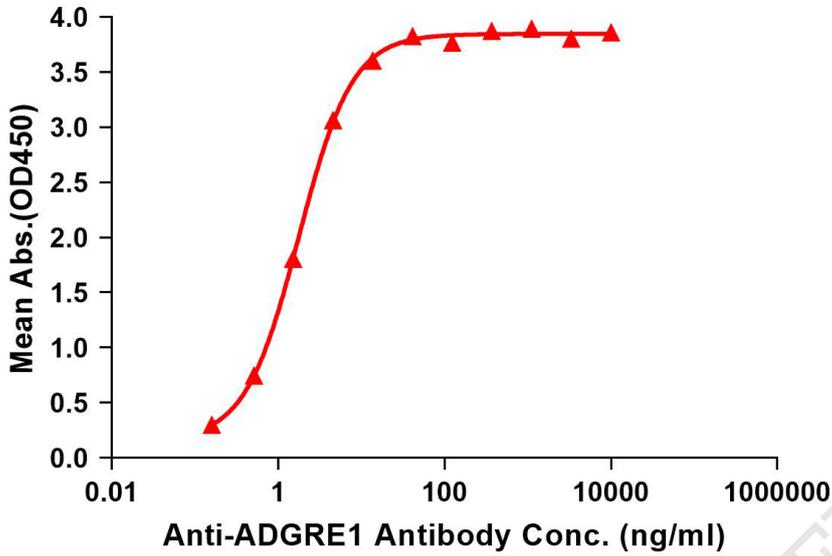


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag ADGRE1-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-ADGRE1 monoclonal antibody (DMC100481) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-ADGRE1 monoclonal antibody binding with ADGRE1-Strep-Nanodisc is 1.769ng/ml.



Figure 2. Human ADGRE1-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

