

## PRODUCT INFORMATION

<b>Target</b>	ADGRE1
<b>Synonyms</b>	EMR1; TM7LN3
<b>Description</b>	Human ADGRE1 full length protein-synthetic nanodisc
<b>Delivery</b>	3-4 weeks
<b>Uniprot ID</b>	Q14246
<b>Expression Host</b>	HEK293
<b>Protein Families</b>	Druggable Genome, Transmembrane
<b>Protein Pathways</b>	N/A
<b>Molecular Weight</b>	The human full length ADGRE1 protein has a MW of 97.5 kDa
<b>Formulation &amp; Reconstitution</b>	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 pH lower than 6.5 in subsequent experiments.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The encoded preprotein is proteolytically processed to generate the mature protein, which promotes cholesterol efflux from tissues to the liver for excretion, and is a cofactor for lecithin cholesterolacyltransferase (LCAT), an enzyme responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Alternative splicing results in multiple transcript variants, at least one of which encodes a preprotein. [provided by RefSeq, Dec 2015]
<b>Usage</b>	Research use only



### ELISA assay to evaluate ADGRE1-Nanodisc 0.2 $\mu$ g Human ADGRE1-Nanodisc per well

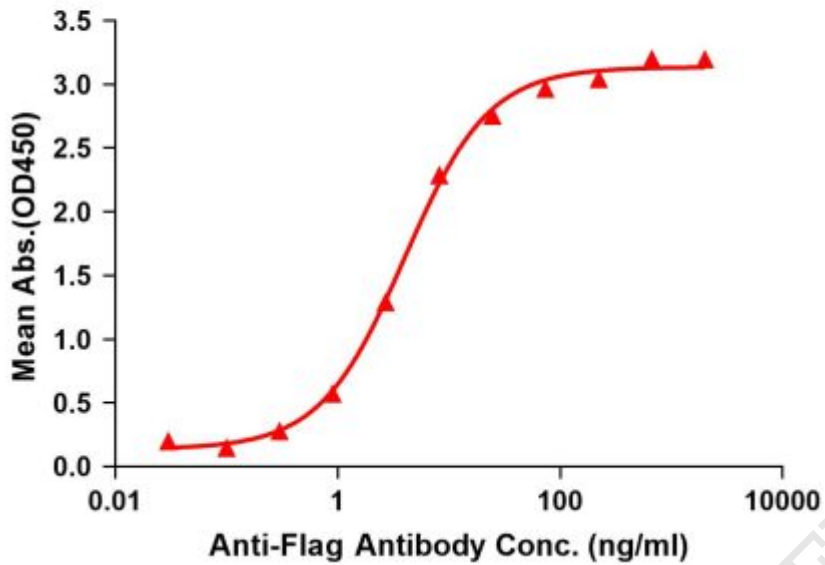


Figure1. Elisa plates were pre-coated with Flag Tag ADGRE1-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ADGRE1-Nanodisc is 3.996ng/ml.



Figure2. Human ADGRE1-Nanodisc, Flag Tag on SDS-PAGE

