

HUMAN ADGRE5 FULL LENGTH PROTEIN

目录: 11098

产品名称: Human ADGRE5 Full Length Protein

规格: 10 µg; 50 µg and 100 µg

基因符号: CD97; TM7LN1

Target: ADGRE5

UNIPROT ID: P48960

描述: Human ADGRE5 Full Length Protein-Synthetic Nanodisc

背景: A member of the EGF-TM7 subfamily of adhesion G protein-coupled receptors, which mediate cell-cell interactions. These proteins are cleaved by self-catalytic proteolysis into a large extracellular subunit and seven-span transmembrane subunit, which associate at the cell surface as a receptor complex. The encoded protein may play a role in cell adhesion as well as leukocyte recruitment, activation and migration, and contains multiple extracellular EGF-like repeats which mediate binding to chondroitin sulfate and the cell surface complement regulatory protein CD55. Expression of this gene may play a role in the progression of several types of cancer. Alternatively spliced transcript variants encoding multiple isoforms with 3 to 5 EGF-like repeats have been observed for this gene. This gene is found in a cluster with other EGF-TM7 genes on the short arm of chromosome 19.

Species/Host: HEK293

Molecular Weight: The human full length ADGRE5 protein has a MW of 90.5 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.

储存和运输: 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.

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: N/A

ELISA assay to evaluate ADGRE5-Nanodisc 0.2µg Human ADGRE5-Nanodisc per well

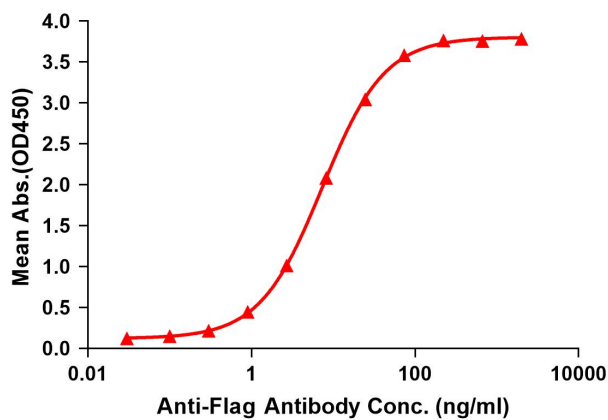


Figure 1. Elisa plates were pre-coated with Flag Tag ADGRE5-Nanodisc (0.2µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with ADGRE5-Nanodisc is 7.327ng/ml.



Figure 2. Human ADGRE5-Nanodisc, Flag Tag on SDS-PAGE