

PRODUCT INFORMATION

ADGRE2 **Target**

Adhesion G protein-coupled receptor E2;EGF-like **Synonyms** module receptor 2; EGF-like module-containing

mucin-like hormone receptor-like 2;CD312

Recombinant human ADGRE2 protein with C-**Description**

terminal 7×His tag

Delivery In Stock **Uniprot ID** Q9UHX3 **Expression Host HEK293**

Tag C-7×His Tag

Molecular ADGRE2(Gln24-Thr537) 7×His tag Characterization

The protein has a predicted molecular mass of 57.2 kDa after removal of the signal peptide. The apparent molecular mass of ADGRE2-His is **Molecular Weight**

approximately 70-100 kDa due to glycosylation. The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

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). Storage & Shipping Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a member of the class B seven-span transmembrane (TM7) subfamily of Gprotein coupled receptors. These proteins are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor-like domains coupled to a TM7 domain via a mucin-like spacer domain. The encoded protein is expressed mainly in myeloid cells where it promotes cell-cell adhesion through

interaction with chondroitin sulfate chains. This gene is situated in a cluster of related genes on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug

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Usage Research use only Conjugate Unconjugated



Background



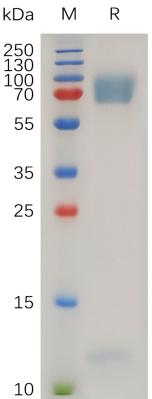


Figure 1. Human ADGRE2 Protein, His Tag on SDS-PAGE under reducing condition.

Human ADGRE2, His Tagged protein ELISA

0.2 μg of Human ADGRE2, His tagged protein per well

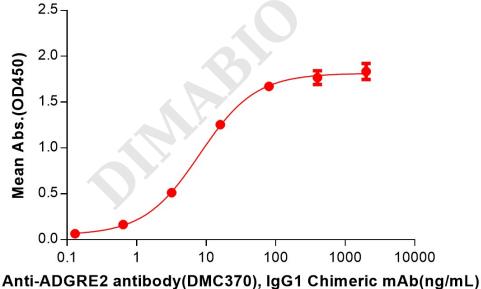


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human ADGRE2 Protein, His Tag (PME100741) can bind Anti-ADGRE2 antibody(DMC370), IgG1 Chimeric mAb in a linear range of 3.20–80 ng/mL.





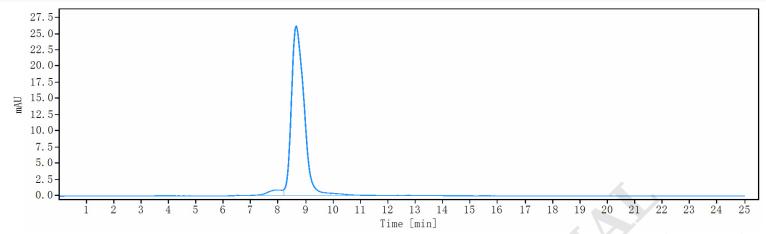


Figure 3. The purity of Human ADGRE2 Protein, His Tag (PME100741) was greater than 90% as determined by SEC-HPLC.

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