

**PRODUCT INFORMATION**

<b>Target</b>	GPR75
<b>Synonyms</b>	GPRchr2;WI31133
<b>Description</b>	Recombinant Human GPR75 Protein with C-terminal mouse Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	O95800
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Mouse Fc Tag
<b>Molecular Characterization</b>	GPR75(Met1-Thr46) mFc(Pro99-Lys330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 31.1 kDa after removal of the signal peptide. The apparent molecular mass of GPR75-mFc is approximately 35-55 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<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>	GPR75 is a member of the G protein-coupled receptor family. GPRs are cell surface receptors that activate guanine-nucleotide binding proteins upon the binding of a ligand.[supplied by OMIM, Jul 2002]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



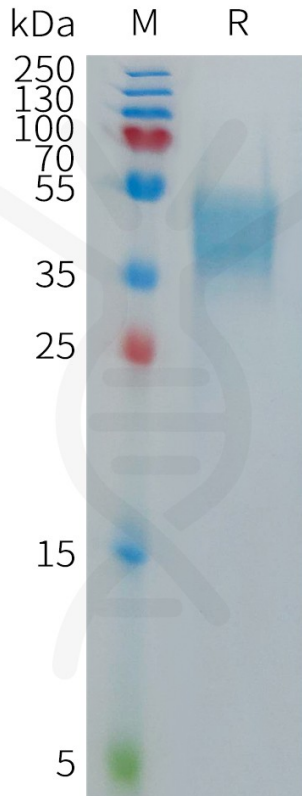


Figure 1. Human GPR75 Protein, mFc Tag on SDS-PAGE under reducing condition.

### Human GPR75, mFc Tagged protein ELISA

0.2  $\mu$ g of Human GPR75, mFc tagged protein per well

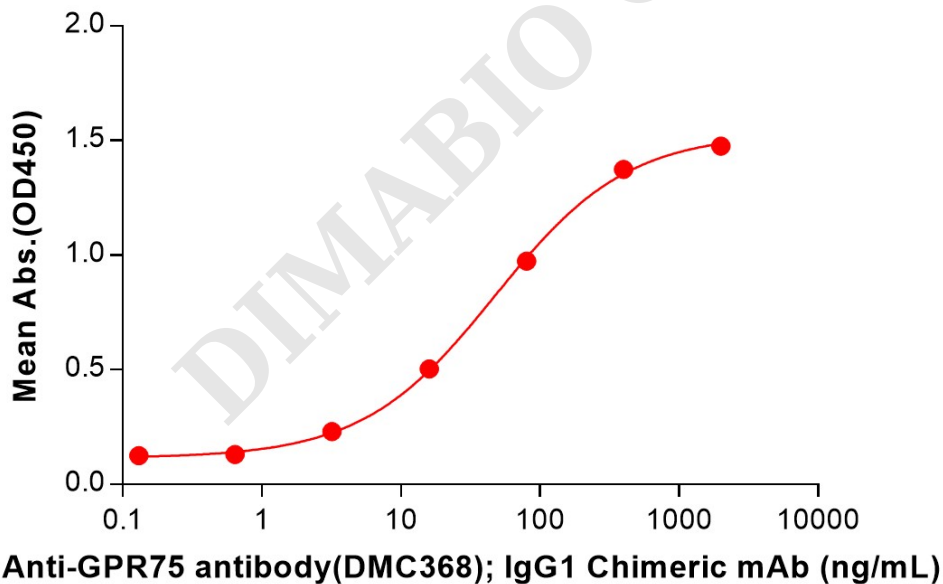


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human GPR75 Protein, mFc Tag (PME101277) can bind Anti-GPR75 antibody(DMC368), IgG1 Chimeric mAb (DMC100368) in a linear range of 16-400 ng/mL.

