PRODUCT INFORMATION

Target	EREG
Synonyms	Ep;EPR;ER
Description	Recombinant Human EREG with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	O14944
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	EREG(Val63-Leu108) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 31.4 kDa after removal of the signal peptide. The apparent molecular mass of EREG-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
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 gene encodes a secreted peptide hormone and member of the epidermal growth factor (EGF) family of proteins. The encoded protein is a ligand of the epidermal growth factor receptor (EGFR) and the structurally related erb-b2 receptor tyrosine kinase 4 (ERBB4). The encoded protein may be involved in a wide range of biological processes including inflammation, wound healing, oocyte maturation, and cell proliferation. Additionally, the encoded protein may promote the progression of cancers of various human tissues. [provided by RefSeq, Jul 2015]
Usage	Research use only
Conjugate	Unconjugated

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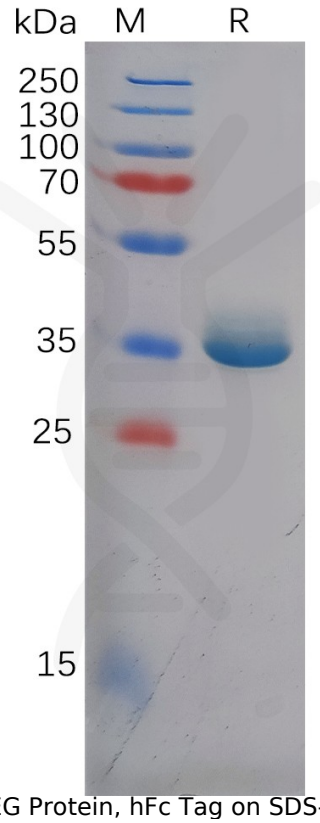


Figure 1.Human EREG Protein, hFc Tag on SDS-PAGE under reducing condition.

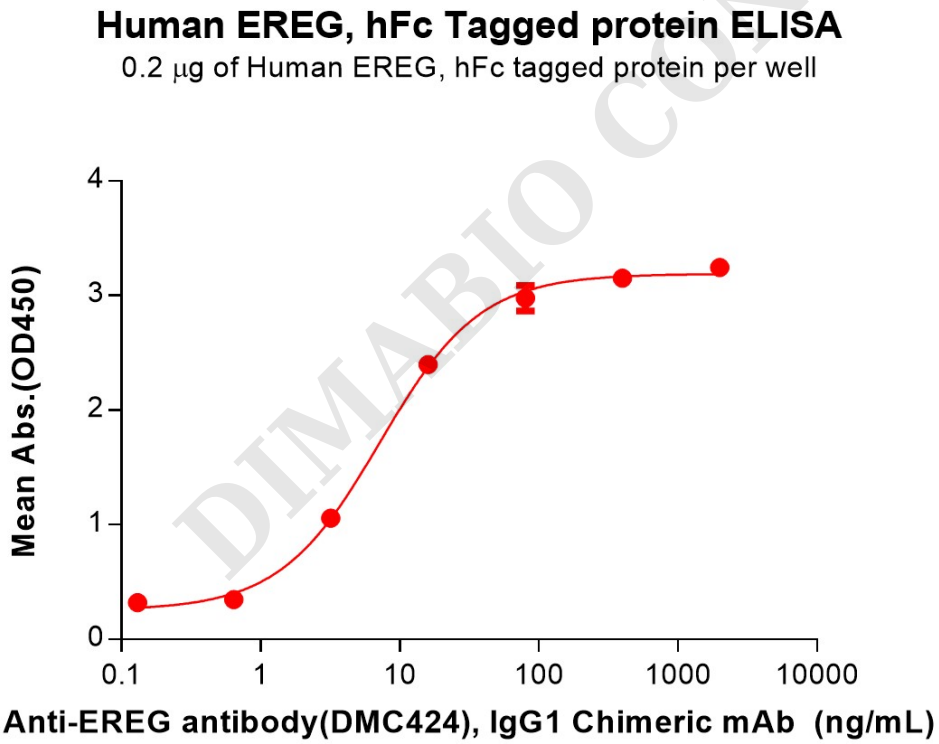


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human EREG Protein, hFc Tag (PME100617) can bind Anti-EREG antibody(DMC424), IgG1 Chimeric mAb in a linear range of 0.64–16 ng/mL.

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