DIMA BIOTECH

PRODUCT INFORMATION

Target	EGFR
Synonyms	EGFR;ERBB;ERBB1;HER1;PIG61;mENA
Description	Recombinant human EGFR Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P00533
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	EGFR(Leu25-Ser645) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 69.4 kDa after removal of the signal peptide.The apparent molecular mass of EGFR-His is approximately 100-130 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	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer.
Usage	Research use only

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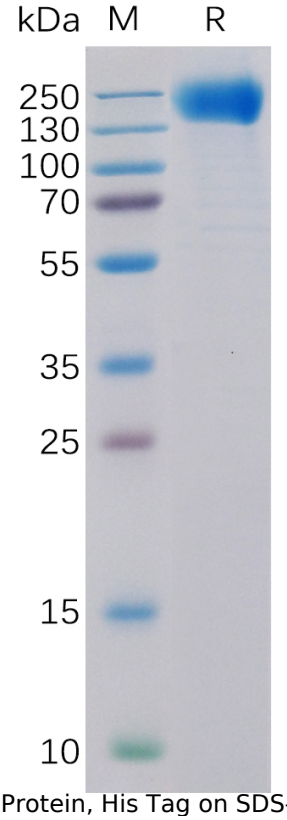

Figure 1. Human EGFR Protein, His Tag on SDS-PAGE under reducing condition.

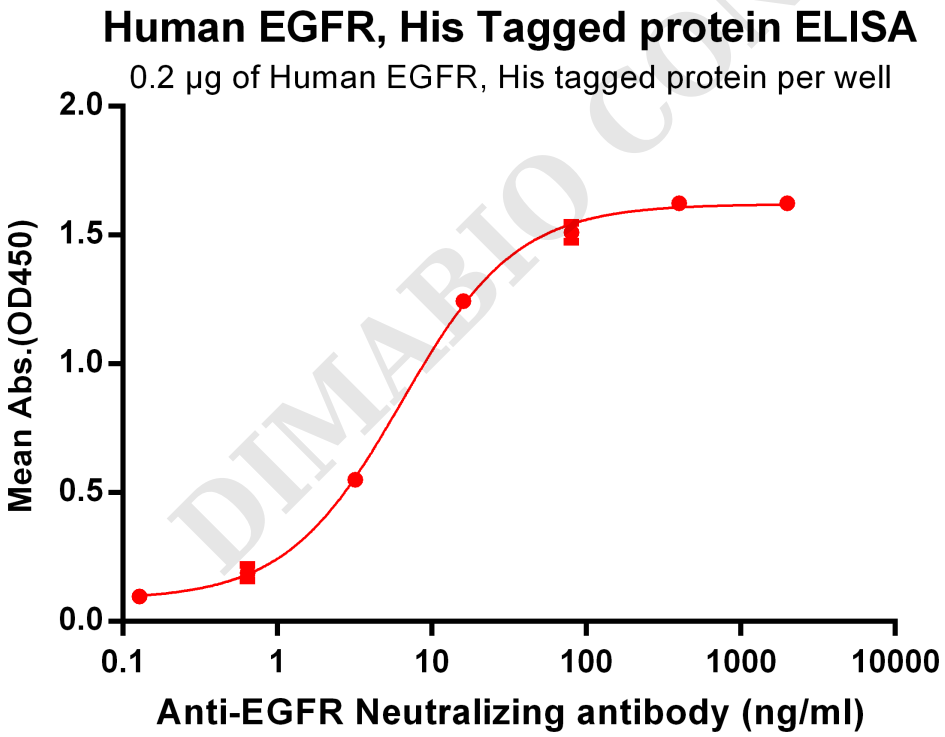

Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human EGFR, His tagged protein (PME100099) can bind Anti-EGFR Antibody BME100034 in a linear range of 0.64-80.0 ng/ml.

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