

PRODUCT INFORMATION

Target IGF-1R

Synonyms IGFR, CD221, IGFIR, JTK13

Recombinant human IGF-1R Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P08069 **HEK293 Expression Host**

Tag C-Human Fc tag

Molecular

Background

IGF-1R(Glu31-Asn932) hFc(GLU99-ALA330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 129.0 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% 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 receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by

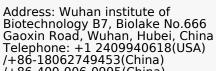
> Email: info@dimabio.com Website: www.dimabio.com

enhancing cell survival. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by

RefSeq, May 2014]

Usage Research use only

Conjugate Unconjugated



/+86-400-006-0995(China)



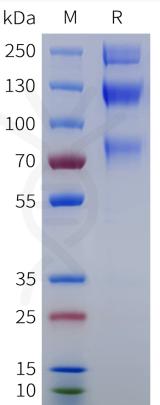
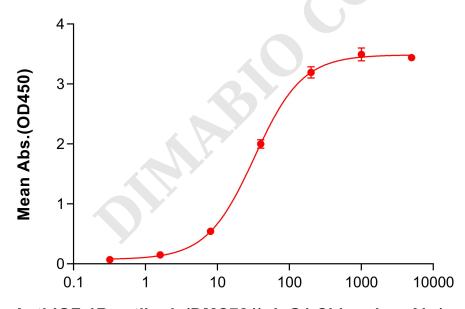


Figure 1. Human IGF-1R Protein, hFc Tag on SDS-PAGE under reducing condition.

Human IGF-1R, hFc Tagged Protein ELISA

0.2 μg of Human IGF-1R, hFc tagged protein per well



Anti-IGF-1R antibody(DMC721), IgG1 Chimeric mAb (ng/mL)

Figure 1. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human IGF-1R Protein, hFc Tag (PME101889) can bind Anti-IGF-1R antibody(DMC721), IgG1 Chimeric mAb (DMC100721) in a linear range of 8–40 ng/mL.

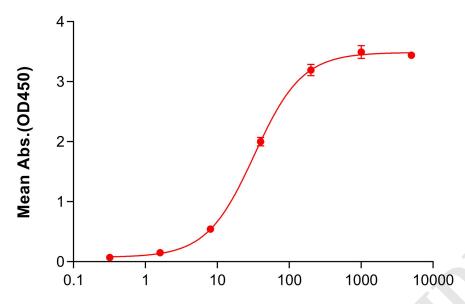
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Human IGF-1R, hFc Tagged Protein ELISA

0.2 μg of Human IGF-1R, hFc tagged protein per well



Anti-IGF-1R antibody(DMC721), IgG1 Chimeric mAb (ng/mL)

Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human IGF-1R Protein, hFc Tag (PME101889) can bind Anti-IGF-1R antibody(DMC721), IgG1 Chimeric mAb (DMC100721) in a linear range of 8–40 ng/mL.

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