

## Anti-IGF1R [IGFR 17-69] Standard Size Ab01285-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** IGFR 17-69

**Alternative Name(s) of Target:** CD221; IGF1 receptor; Insulin-like growth factor 1 receptor; type I IGF receptor; Insulin-like growth factor I receptor; IGF-I receptor; 17 69

**UniProt Accession Number of Target Protein:** P08069

**Published Application(s):** Blocking, IP

**Published Species Reactivity:** Pig, Rabbit, Human

**Immunogen:** This antibody was raised by immunising BALB/c mice with transfected mouse fibroblasts expressing high levels of human IGF1R (IGF1R/3T3).

**Specificity:** This antibody is specific for the human insulin-like growth factor 1 receptor (IGF1R). It recognises the extracellular portion of the receptor, specifically an epitope in the alpha subunit (amino acids 514-586). It does not cross-react with rat or mouse IGF1R or human insulin receptors in co-precipitation or immunodepletion assays, but does react with both rabbit and pig IGFR.

**Application Notes:** The ability of this antibody to bind human IGF1R has been confirmed in IGF1 binding assays using both IG1FR-overexpressing IGF1R/3T3 cells and soluble receptors (Soos et al, 1992). This antibody efficiently precipitates human IGF1R (Soos et al, 1992), and has been used in immunoprecipitation analysis of 293 cells transfected with hIGF1R or chimeric hIGF1R-insulin receptor constructs (Schumacher et al, 1993) and solubilized microsomal membrane samples prepared from a range of human tissues (Baillyes et al, 1997). Given its reactivity with rabbit IGF1R, this antibody has also been used in immunoprecipitation analysis of rabbit tissue samples (Baillyes et al, 1997). When immobilised, this antibody has been shown to remove essentially all soluble, IGF1R/3T3-derived IGF1R (Soos et al, 1992) and human placental membrane-derived IGF1R in immunodepletion experiments (Soos et al, 1993). This antibody weakly inhibits IGF1 binding to its receptor (Soos et al, 1993).

**Antibody First Published in:** Soos et al. A panel of monoclonal antibodies for the type I insulin-like growth factor receptor. Epitope mapping, effects on ligand binding, and biological activity. J Biol Chem. 1992 Jun 25;267(18):12955-63. [PMID:1377676](https://pubmed.ncbi.nlm.nih.gov/1377676/)

**Note on publication:** Describes the original generation of this antibody, and the characterisation of its specificity.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:**

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.