

Anti-IGF1R [IGFR 4-52] Standard Size Ab01283-1.1

Isotype and Format: Mouse IgG1, Lambda

Clone Number: IGFR 4-52

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; 4 52

UniProt Accession Number of Target Protein: P08069

Published Application(s): IP, stimulatory

Published Species Reactivity: 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 62-184). It does not cross-react with rat or mouse IGF1R or human insulin receptors in co-precipitation or immunodepletion assays.

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 IGF1R solubilized from IGF1R/3T3 cells and receptor-IGF1 complexes (Soos et al, 1992). When immobilised, this antibody has been shown to remove essentially all soluble IGF1R in immunodepletion experiments (Soos et al, 1992). This antibody strongly stimulates both IGF1 and insulin binding to IGF1R/3T3 cells, and potentiates insulin stimulation of DNA synthesis (Soos et al, 1992).

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](#)

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.