# Mouse anti-Human, Pig Insulin Like Growth Factor 1 Receptor (IGF1R) Monoclonal Antibody | anti-IGF1R antibody

Biotin-Linked Monoclonal Antibody to Insulin Like Growth Factor 1 Receptor (IGF1R)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA150813** | **Mouse** | **Human, Pig** | **Immunoprecipitation, Immunocytochemistry, Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

Insulin Like Growth Factor 1 Receptor (IGF1R); Monoclonal Antibody; Biotin-Linked Monoclonal Antibody to Insulin Like Growth Factor 1 Receptor (IGF1R); Insulin Like Growth Factor 1 Receptor; CD221; IGF1-R; IGFIR; JTK13; anti-IGF1R antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Mouse |
| **Reactivity** | Human, Pig |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2b Kappa |
| **Clone Number** | C2 |
| **Specificity** | The antibody is a Mouse monoclonal antibody raised against IGF1R. It has been selected for its ability to recognize IGF1R in immunohistochemical staining and western blotting. |
| **Purity/Purification** | Protein A + Protein G affinity chromatography |
| **Form/Format** | Liquid; PBS, pH7.4, containing 0.02% NaN3, 50% glycerol. |
| **Concentration** | 1mg/mL<br>Please refer to the vial label for the specific concentration. (varies by lot) |
| **Applicable Applications for anti-IGF1R antibody** | IP (Immunoprecipitation), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot) |
| **Cross Reactivity** | Human |
| **Immunogen** | Recombinant IGF1R (Tyr763~Leu955) expressed in E Coli |
| **Conjugation** | Biotin |
| **Preparation and Storage** | Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles.<br>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

## IMAGES

**WB (Western Blot)**
Western Blot; Sample: Lane1: Human Skeletal muscle lysate; Lane2: Human MCF7 cell lysate; Primary Ab

**IF (Immunofluorescence)**
FITC staining on IF; Samples: Human MCF7 cell; Primary Ab: 20ug/mL Mouse Anti-Human IGF1R Antibody Second Ab: 1ug/mL FITC-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

## ADDITIONAL INFORMATION

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|---|---|
| **Product Categories/Family for anti-IGF1R antibody** | Signal transduction; Endocrinology; Cardiovascular biology; Hormone metabolism |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 4557665 |
| **NCBI GeneID** | 3480 |
| **NCBI Accession #** | NP_000866.1 |
| **NCBI GenBank Nucleotide #** | NM_000875.3 |
| **UniProt Accession #** | P08069; Q14CV2; Q9UCC0; B1B5Y2 |
| **Molecular Weight** | 154,793 Da |
| **NCBI Official Full Name** | insulin-like growth factor 1 receptor |
| **NCBI Official Synonym Full Names** | insulin-like growth factor 1 receptor |
| **NCBI Official Symbol** | IGF1R |
| **NCBI Official Synonym Symbols** | IGFR; CD221; IGFIR; JTK13 |
| **NCBI Protein Information** | insulin-like growth factor 1 receptor; IGF-I receptor; soluble IGF1R variant 1; soluble IGF1R variant 2; insulin-like growth factor I receptor |
| **UniProt Protein Name** | Insulin-like growth factor 1 receptor |
| **UniProt Gene Name** | **IGF1R** |
| **UniProt Synonym Gene Names** | IGF-I receptor |
| **UniProt Entry Name** | IGF1R_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/insulin-like-growth-factor-1-receptor-igf1r-antibody-clone-c2-immunoprecipitation-immunocytochemistry-immunohistochemistry-western-blot-elisa/150813