# ARG56775
# anti-IGF1 antibody (Biotin)

Package: 50 µg
Store at: 4°C

## Summary

| | |
|---|---|
| Product Description | Biotin-conjugated Goat Polyclonal antibody recognizes IGF1 |
| Tested Reactivity | Ms |
| Tested Application | ELISA, WB |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | IGF1 |
| Species | Mouse |
| Immunogen | E.coli derived Recombinant Mouse IGF1.<br>(GPETLCGAEL VDALQFVCGP RGFYFNKPTG YGSSIRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPTKAA) |
| Conjugation | Biotin |
| Alternate Names | MGF; Insulin-like growth factor I; Mechano growth factor; Somatomedin-C; IGFI; IGF-I |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| ELISA | Direct: 0.25 - 1.0 µg/ml<br>Sandwich: 0.25 - 1.0 µg/ml with ARG56665 as a capture antibody |
| WB | 0.1 - 0.2 µg/ml |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

## Properties

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|---|---|
| Form | Liquid |
| Purification | Purified by affinity chromatography. |
| Buffer | PBS (pH 7.2) |
| Concentration | 1 mg/ml |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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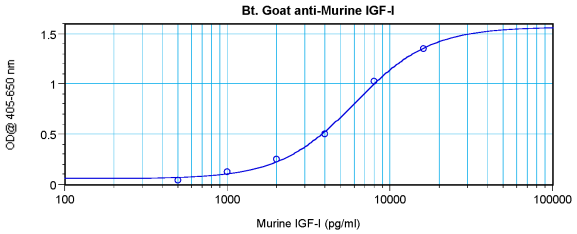
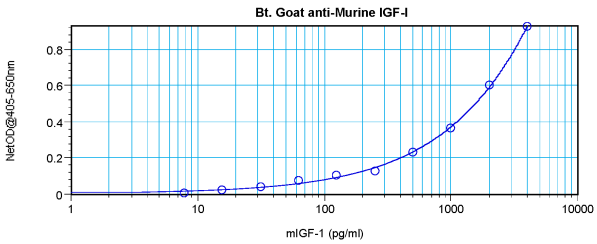
|---|---|
| Database links | GeneID: 16000 Mouse<br><br>Swiss-port # P05017 Mouse |
| Gene Symbol | Igf1 |
| Gene Full Name | insulin-like growth factor 1 |
| Background | The protein encoded by this gene is similar to insulin in function and structure and is a member of a family of proteins involved in mediating growth and development. The encoded protein is processed from a precursor, bound by a specific receptor, and secreted. Defects in this gene are a cause of insulin-like growth factor I deficiency. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein. [provided by RefSeq, Sep 2015] |
| Function | The insulin-like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth-promoting activity. May be a physiological regulator of [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblasts. Stimulates glucose transport in rat bone-derived osteoblastic (PyMS) cells and is effective at much lower concentrations than insulin, not only regarding glycogen and DNA synthesis but also with regard to enhancing glucose uptake. May play a role in synapse maturation. [UniProt] |
| Calculated Mw | 22 kDa |

## Images




ARG56775 anti-IGF1 antibody (Biotin) standard curve image

Direct ELISA: ARG56775 anti-IGF1 antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density.




ARG56775 anti-IGF1 antibody (Biotin) standard curve image

Sandwich ELISA: ARG56775 anti-IGF1 antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with ARG56665 anti-IGF1 antibody as a capture antibody. Results of a typical standard run with optical density.