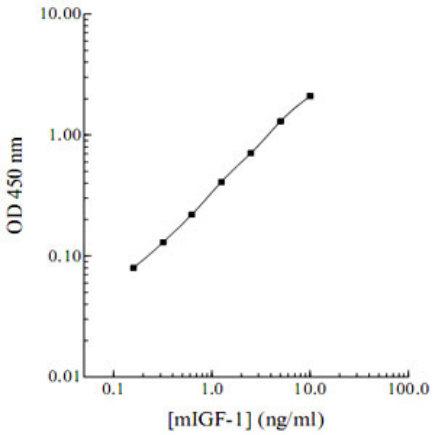
# Igf1 (Mouse) ELISA Kit

Catalog # KA0493 Size 1 Kit

## Applications




The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

| | |
|---|---|
| **Product Description** | Igf1 (Mouse) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of mouse Igf1. |
| **Suitable Sample** | Cell Culture Supernatant, Plasma, Serum |
| **Sample Volume** | 50 uL |
| **Label** | Peroxidase-conjugated |
| **Detection Method** | Colorimetric |
| **Assay Type** | Quantitative |
| **Calibration Range** | 0.156 to 10 ng/mL |
| **Reactivity** | Mouse |
| **Regulation Status** | For research use only (RUO) |
| **Storage Instruction** | Store components of the kit at 4°C or -20°C as described in the protocol. |

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## Applications

- Quantification

## Gene Info — Igf1

| | |
|---|---|
| **Entrez GeneID** | 16000 |
| **Gene Name** | Igf1 |
| **Gene Alias** | C730016P09Rik, Igf-1, Igf-I |
| **Gene Description** | insulin-like growth factor 1 |
| **Gene Ontology** | Hyperlink |
| **Other Designations** | somatomedin |

## Publication Reference

- Efficacy of cooling therapy and α-lipoic acid derivative against chemotherapy-induced alopecia in an animal model.

  Takayuki Aiba, Yohei Kono, Tsuyoshi Etoh, Yoko Kawano, Yusuke Oshima, Masafumi Inomata

  Cancer Sci 2023 Mar; 114(3):1007-1014.

- POU1F1/Pou1f1 c.143-83A > G variant disrupts the branch site in pre-mRNA and leads dwarfism.

  Kazuhisa Akiba, Yukihiro Hasegawa, Yuko Katoh-Fukui, Miho Terao, Shuji Takada, Tomonobu Hasegawa, Maki Fukami, Satoshi Narumi.

  Endocrinology 2022 Dec; 164(2):bqac198.

  Application: ELISA, Mouse, Mouse Serum

- Metformin and trimetazidine ameliorate diabetes-induced cognitive impediment in status epileptic rats.

  Mohamed MAE, Abdel-Rahman RF, Mahmoud SS, Khattab MM, Safar MM.

  Epilepsy & Behavior 2020 Mar; 104(Pt A):106893.

  Application: Quant, Rat, Rat hippocampus

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- Evaluating the therapeutic potential of one-carbon donors in nonalcoholic fatty liver disease.

  Bakir MB, Salama MA, Refaat R, Ali MA, Khalifa EA, Kamel MA.

  European Journal of Pharmacology 2019 Mar; 847:72.

  Application: Quant, Rat, Rat serum

- DHTKD1 deficiency causes Charcot-Marie-Tooth disease in mice.

  Xu WY, Zhu H, Shen Y, Wan YH, Tu XD, Wu WT, Tang L, Zhang HX, Lu SY, Jin XL, Fei J, Wang ZG.

  Molecular and Cellular Biology 2018 Jun; 38(13):e00085.

  Application: ELISA, Mouse, Serum

- FGF21 IS INDUCED UPON CARDIAC STRESS AND ALTERS CARDIAC LIPID HOMEOSTASIS.

  Brahma MK, Adam RC, Pollak NM, Jaeger D, Zierler KA, Poecher N, Schreiber R, Romauch M, Moustafa T, Eder S, Ruelicke T, Preiss-Landl K, Lass A, Zechner R, Haemmerle G.

  Journal of Lipid Research 2014 Nov; 55(11):2229.

  Application: ELISA, Mouse, Plasma

- Metformin prevents the development of oral squamous cell carcinomas from carcinogen-induced premalignant lesions.

  Vitale-Cross L, Molinolo AA, Martin D, Younis RH, Maruyama T, Patel V, Chen W, Schneider A, Gutkind JS.

  Cancer Prevention Research (Philadelphia, Pa.) 2012 Apr; 5(4):562.

  Application: Quant, Mouse, Mouse plasma

- Growth hormone and insulin-like growth factor-I as an endocrine axis in Alzheimer's disease.

  Gomez JM.

  Endocrine, Metabolic & Immune Disorders - Drug Targets 2008 Jun; 8(2):143.

- Cancer cell-derived clusterin modulates the phosphatidylinositol 3'-kinase-Akt pathway through attenuation of insulin-like growth factor 1 during serum deprivation.

  Jo H, Jia Y, Subramanian KK, Hattori H, Luo HR.

  Molecular and Cellular Biology 2008 Jul; 28(13):4285.

  Application: Quant, Human, HeLa cells

- In vivo actions of insulin-like growth factor-I (IGF-I) on bone formation and resorption in rats.

  Spencer EM, Liu CC, Si EC, Howard GA.

  Bone 1991 Jan; 12(1):21.

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