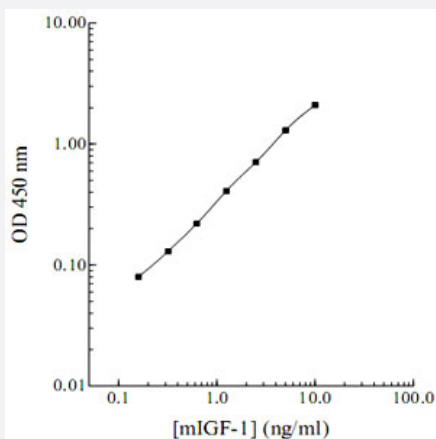


Igf1 (Mouse) ELISA Kit

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 μ L
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.

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

- [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

- [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.