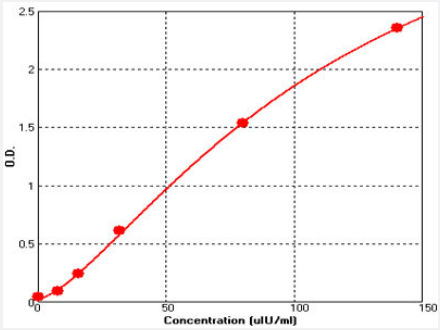
Insulin (Mouse) ELISA Kit

Catalog # KA3812 Size 1 Kit

Applications



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

Specification

Product Description	Insulin (Mouse) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of mouse insulin.
Suitable Sample	Body Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Lysates
Sample Volume	50 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0 to 140 ulU/mL
Limit of Detection	< 5 ulU/mL
Reactivity	Mouse
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of demonstration only and should not be used to calculate unkn owns. A standard curve should be generated each time the assay is performed.

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Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Publication Reference

- Maternal omega-3 fatty acids maintained positive maternal lipids and cytokines profile, and improved pregnancy outcomes of C57BL/6 mice.

  Olatunji Anthony Akerele, Sarah Jane Manning, Sarah Emily Dixon, Amelia Estelle Lacey, Sukhinder Kaur Cheema.

  The Journal of Nutritional Biochemistry 2021 Jul; 98:108813.

  Application: Quant, Mouse, Mouse plasma

- L-Leucine Improves Metabolic Disorders in Mice With in-utero Cigarette Smoke Exposure.

  Yunxin Zeng., Taida Huang., Nan Wang., Yi Xu., Chunhui Sun., Min Huang., Chun Chen., Brian G Oliver., Chenju Yi., Hui Chen.

  Frontiers in Physiology 2021 Jul; 12:700246.

  Application: ELISA, Mouse, Blood Plasma

- Maternal High Fat Diet Consumption Exaggerates Metabolic Disorders in Mice With Cigarette-Smoking Induced Intrauterine Undernutrition.

  Taida Huang, Mo Yang, Yunxin Zeng, Xiaomin Huang, Nan Wang, Yun Chen, Peng Li, Jinqiu Yuan, Chun Chen, Brian G Oliver, Chenju Yi.

  Frontiers in Nutrition 2021 Mar; 8:638576.

  Application: Quant, Mouse, Mouse plasma

- Impact of A Cargo-Less Liposomal Formulation on Dietary Obesity-Related Metabolic Disorders in Mice.

  Varsha Komalla, Behjat Sheikholeslami, Gerard Li, Bishwajit Bokshi, Yik Lung Chan, Alison Ung, Brian Gregory Oliver, Hui Chen, Mehra Haghi

  Int J Mol Sci 2020 Oct; 21(20):0.

- Anti-fatigue effects of pea (Pisum sativum L.) peptides prepared by compound protease.

  Tao Feng., Yanyan Huang., Zhihui Tang., Dandan Wei., Junming Mo.

  Journal of Food Science and Technology 2021 Jun; 58(6):2265.

  Application: ELISA (Insulin detection), Mouse, Blood samples

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- Replacing smoking with vaping during pregnancy: impacts on metabolic health in mice.

  Gerard Li, Yik L Chan, Baoming Wang, Sonia Saad, Brian G Oliver, Hui Chen.

  Reproductive Toxicology 2020 Aug; 96:293.

  Application: Quant, Mouse, Mouse plasma

- Bouchardatine analogue alleviates NAFLD/NASH in high fat fed mice via blunting ATP synthase activity.

  Rao Y, Lu YT, Li C, Song QQ, Xu YH, Xu Z, Hu YT, Yu H, Gao L, Gu LQ, Ye JM, Huang ZS.

  British Journal of Pharmacology 2019 Aug; 176(16):2877.

  Application: Quant, Mouse, Mouse plasma

- ENOblock inhibits the pathology of diet-induced obesity.

  Cho H, Lee JH, Um J, Kim S, Kim Y, Kim WH, Kim YS, Pagire HS, Ahn JH, Ahn Y, Chang YT, Jung DW, Williams DR.

  Scientific Reports 2019 Jan; 9(1):493.

  Application: ELISA, Mouse, Serum

- A pathogen-derived effector modulates host glucose metabolism by arginine GlcNAcylation of HIF-1α protein.

  Xu C, Liu X, Zha H, Fan S, Zhang D, Li S, Xiao W.

  PLoS Pathogens 2018 Aug; 14(8):e1007259.

  Application: ELISA, Mouse, Serum

- A high fat-high sucrose diet enriched in blue mussels protects against systemic inflammation, metabolic dysregulation and weight gain in C57BL/6 mice.

  Vaidya HB, Gangadaran S, Cheema SK.

  Food Research International 2017 Aug; 100(Pt 2):78.

  Application: Quant, Mouse, Mouse plasma

- A low-fat diet enriched in fish oil increased lipogenesis and fetal outcome of C57BL/6 mice.

  Olatunji A Akerele, Sukhinder K Cheema

  Reproduction 2017 Aug; 154(2):153-165.

- An obesogenic diet enriched with blue mussels protects against weight gain and lowers cholesterol levels in C57BL/6 mice.

  Vaidya HB, Gangadaran S, Cheema SK.

  Nutrition Research (New York, N.Y.) 2017 Oct; 46:31.

  Application: Quant, Mouse , Mouse plasma

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- A high fat diet enriched with sea cucumber gut powder provides cardio-protective and anti-obesity effects in C57BL/6 mice.

  Gangadaran S, Cheema SK.

  Food Research International 2017 Sep; 99(Pt 1):799.

  Application: Quant, Mouse, Mouse plasma

- Wogonin mitigates nonalcoholic fatty liver disease via enhancing PPARα/AdipoR2, in vivo and in vitro.

  Chen J, Liu J, Wang Y, Hu X, Zhou F, Hu Y, Yuan Y, Xu Y.

  Biomedicine & Pharmacotherapy 2017 May; 91:621.

  Application: Quant, Mouse, Mouse serum

- L-Carnitine reverses maternal cigarette smoke exposure-induced renal oxidative stress and mitochondrial dysfunction in mouse offspring.

  Long T Nguyen, Stefanie Stangenberg, Hui Chen, Ibrahim Al-Odat, Yik L Chan, Martin E Gosnell, Ayad G Anwer, Ewa M Goldys, Carol A Pollock, Sonia Saad

  Am J Physiol Renal Physiol 2015 Apr; 308(7):F689-96.

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