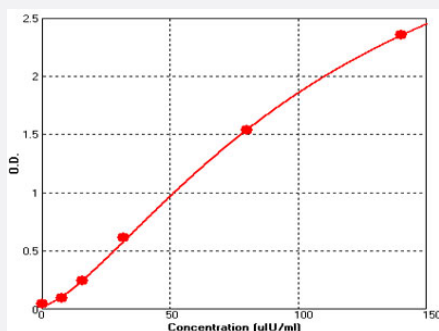


# Insulin (Mouse) ELISA Kit

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

<b>Product Description</b>	Insulin (Mouse) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of mouse insulin.
<b>Suitable Sample</b>	Body Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Lysates
<b>Sample Volume</b>	50 uL
<b>Label</b>	HRP-conjugated
<b>Detection Method</b>	Colorimetric
<b>Assay Type</b>	Quantitative
<b>Calibration Range</b>	0 to 140 uIU/mL
<b>Limit of Detection</b>	< 5 uIU/mL
<b>Reactivity</b>	Mouse
<b>Regulation Status</b>	For research use only (RUO)
<b>Quality Control Testing</b>	Standard curve 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.

## 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

- [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

- [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-1 \$\alpha\$  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

- [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

- [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 PPAR \$\alpha\$ /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