

LH (Rodent) ELISA Kit

Catalog # KA2332

Size 1 Kit

Specification

Product Description	LH (Rodent) ELISA Kit is an immunoassay for the quantitative determination of luteinizing hormone (LH) in rodent serum/plasma.
Suitable Sample	Plasma, Serum
Sample Volume	50 μ L
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	1 to 50 ng/mL
Limit of Detection	0.5 ng /mL
Reactivity	Rodents
Regulation Status	For research use only (RUO)
Storage Instruction	Immediately after receiving the kit, unopened test kits should be stored at 4-8°C. The microtiter plate should always be kept in a sealed bag with desiccants to minimize exposure to damp air at room temperature. Opened test kits will remain stable until the expiration date shown, provided it is stored as prescribed above. Do not leave any reagents at room temperature more than 3 hours.

Applications

- Quantification

Publication Reference

- [Environmentally relevant doses of endocrine disrupting chemicals affect male fertility by interfering with sertoli cell glucose metabolism in mice.](#)

Elikanah Olusayo Adegoke, Md Saidur Rahman, Shehreen Amjad, Won-Ki Pang, Do-Yeal Ryu, Yoo-Jin Park, Mung-Geol Pang.
Chemosphere 2023 Jun; 337:139277.

Application: Quant, Mouse, Mouse serum

- [Combined effects of the contraceptive hormones, ethinyl estradiol and levonorgestrel, on the use of place and response memory in gonadally-intact female rats.](#)

Jesse M Lacasse, Vanessa Boulos, Caleigh Fisher, Sarran Hamilton, Megan Heron, Conall E Mac Cionnaith, Vanessa Peronace, Noémie Tito, Wayne G Brake.

Psychoneuroendocrinology 2023 Jan; 147:105974.

Application: ELISA, Quant, Rat, Rat serum

- [Modeling hormonal contraception in female rats: a framework for studies in behavioral neurobiology.](#)

Jesse M. Lacasse, Eamonn Gomez-Perales, Wayne G. Brake.

Frontiers in Neuroendocrinology 2022 Aug; 67:101020.

Application: Quant, Rat, Rat serum

- [Ginseng alleviates folliculogenesis disorders via induction of cell proliferation and downregulation of apoptotic markers in nicotine-treated mice.](#)

Masoumeh Faghani, Sahar Saedi, Korosh Khanaki, Fahimeh Mohammadghasemi.

Journal of Ovarian Research 2022 Jan; 15(1):14.

Application: Quant, Mouse, Serum

- [MeCP2 duplication causes hyperandrogenism by upregulating LHCGR and downregulating RORα.](#)

Yu-Meng Wang, Yu Wu, Yu-Fang Zheng, Hong-Yan Wang.

Cell Death & Disease 2021 Oct; 12(11):999.

Application: Quant, Mouse, Mouse serum

- [Physiological Roles of Red Carrot Methanolic Extract and Vitamin E to Abrogate Cadmium-Induced Oxidative Challenge and Apoptosis in Rat Testes: Involvement of the Bax/Bcl-2 Ratio.](#)

Ahmed Abdel-Wahab, Kamel M. A. Hassanin, Ahmed A. Mahmoud, Walaa I. E. Abdel-Badeea, Abdel-Razik H. Abdel-Razik, Eman Zekry Attia, Usama Ramadan Abdelmohsen, Rabie L. Abdel Aziz, Agnieszka Najda, Ibtesam S. Alanazi, Khalaf F. Alsharif Mohamed M. Abdel-Daim, Mohamed O. Mahmoud.

Antioxidants 2021 Oct; 10(11):1653.

Application: ELISA, Rat, Rat serum

- [Effects of Pharmacologically Induced Leydig Cell Testosterone Production on Intratesticular Testosterone and Spermatogenesis.](#)

Chung JY, Brown S, Chen H, Liu J, Papadopoulos V, Zirkin B.

Biology of Reproduction 2019 Sep; [Epub].

Application: ELISA, Rat, Serum

- [The GMO90+ project: absence of evidence for biologically meaningful effects of genetically modified maize based-diets on Wistar rats after 6-months feeding comparative trial.](#)

Coumoul X, Servien R, Juricek L, Kaddouch-Amar Y, Lippi Y, Berthelot L, Naylies C, Morvan ML, Antignac JP, Christèle DL, Jegou B, Tremblay-Franco M, Canlet C, Debrauwer L, Le Gall C, Laurent J, Gouraud PA, Cravedi JP, Jeunesse E, Savy N, Dandere-Abdoulkarim K, Arnich N, Fourès F, Cotton J, Broudin S, Corman B, Moing A, Laporte B, Richard-Forget F, Barouki R, Rogowsky P, Salles B.

Toxicological Sciences 2018 Dec; [Epub].

Application: Quant, Rat, Rat plasma

- [Vitexin alleviates streptozotocin-induced sexual dysfunction and fertility impairments in male mice via modulating the hypothalamus-pituitary-gonadal axis.](#)

Li ZM, Liu N, Jiang YP, Zheng J, Sun M, Li YX, Sun T, Wu J, Yu JQ.

Chemico-Biological Interactions 2018 Oct; 297:119.

Application: Quant, Mouse, Serum from Mouse eyes

- [Neonatal overfeeding induces early decline of the ovarian reserve: Implications for the role of leptin.](#)

Sominsky L, Ziko I, Soch A, Smith JT, Spencer SJ.

Molecular and Cellular Endocrinology 2016 Aug; 431:24.

Application: ELISA, Rat, Plasma