

# Product Datasheet

## Mouse, Rat Luteinizing Hormone ELISA Kit (Colorimetric) KA2332

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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**KA2332****Mouse, Rat Luteinizing Hormone ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Description</b>	LH (Rodent) ELISA Kit is an immunoassay for the quantitative determination of luteinizing hormone (LH) in rodent serum, plasma.
<b>Gene ID</b>	3972
<b>Gene Symbol</b>	LHB
<b>Species</b>	Mouse, Rat
<b>Kit Components</b>	Antibody-coated microtiter wells, Enzyme Conjugate, TMB Color Reagent, 20x Wash buffer, Stop solution (2 N HCl), Standard/Sample diluent, Reference Standard (0, 1, 2.5, 5, 10, 25, 50 ng/mL, Lyophilized), reconstitute in 1 mL Standard/Sample diluent
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	1 to 50 ng/mL
<b>Sensitivity</b>	0.5 ng /mL
<b>Inter Assay</b>	CV% < 5.17%
<b>Intra Assay</b>	CV% < 5.4%
<b>Assay Type</b>	Quantification
<b>Suitable Sample Type</b>	Plasma, Serum
<b>Sample Volume</b>	50 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Quantification



## Publications

Li N, Wang J, Wang X et al. Icaritin exerts a protective effect against d-galactose induced premature ovarian failure via promoting DNA damage repair *Biomed. Pharmacother.* 2019-07-19 [PMID: 31330441]

Sagar Chhabria, Vaishnavi Takle, Nripen Sharma, Prashant Kharkar, Kshama Pansare, Anish Tripathi, Ashish Tripathi, Deepa Bhartiya Extremely Active Nano-formulation of Resveratrol (XAR™) attenuates and reverses chemotherapy-induced damage in mice ovaries and testes. *Journal of ovarian research* 2022-10-25 [PMID: 36271409]

Imrul Faisal, Sheyla Cisneros-Montalvo, Geert Hamer, Minna M Tuominen, Pirkka-Pekka Laurila, Manuela Tumati, Matti Jauhainen, Noora Kotaja, Jorma Toppa, Juho-Antti Mäkelä, Liisa Kauppi Transcription Factor USF1 Is Required for Maintenance of Germline Stem Cells in Male Mice. *Endocrinology* 2019-12-16 [PMID: 30759202]

Badr GM, Algefare AI, Alfwuaires MA. Antioxidant Potential of Parsley Leaf (*Petroselinum crispum*) Essential Oil on Hypothyroidism and Testicular Injury in Mice Intoxicated by Carbon Tetrachloride *BioMed Research International* 2021-08-30 [PMID: 34497857] (ELISA)

Song H, Chen D, Bai R et al. BCL2-associated athanogene 6 exon24 contributes to testosterone synthesis and male fertility in mammals *Cell Proliferation* 2022-07-01 [PMID: 35688694] (ELISA)

Nie X, Dai Y, Zheng Y et al. Establishment of a Mouse Model of Premature Ovarian Failure Using Consecutive Superovulation *Cellular Physiology and Biochemistry* 2018-05-08 [PMID: 30537739] (ELISA)

Chen Y, Zhou J, Wu S et al. ISG15 suppresses ovulation and female fertility by ISGylating ADAMTS1 *Cell & bioscience* 2023-05-11 [PMID: 37170317] (ELISA)

Chung J, Brown S, Chen H et al. Effects of Pharmacologically Induced Leydig Cell Testosterone Production on Intratesticular Testosterone and Spermatogenesis. *Biol Reprod.* 2019-09-02 [PMID: 31504200]

Masoumeh F, Sahar S, Korosh K et al. Ginseng alleviates folliculogenesis disorders via induction of cell proliferation and downregulation of apoptotic markers in nicotine-treated mice. *J Ovarian Res.* 2022-01-23 [PMID: 35067219]

Yu-Meng W, Yu W, Yu-Fang Z et al. MeCP2 duplication causes hyperandrogenism by upregulating LHCGR and downregulating ROR?. *Cell Death Dis.* 2021-10-25 [PMID: 34697294]

Ahmed A, Kamel H, Ahmed M et al. 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. *Antioxidants (Basel).* 2021-10-21 [PMID: 34829524]

Jesse L, Vanessa B, Caleigh F et al. Combined effects of the contraceptive hormones, ethinyl estradiol and levonorgestrel, on the use of place and response memory in gonadally-intact female rats. *Psychoneuroendocrinology.* 2022-11-14 [PMID: 36403510]

More publications at <http://www.novusbio.com/KA2332>





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### **Products Related to KA2332**

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NBP2-22203	ERK1 Antibody (1E5) - BSA Free
NBP3-11411	Luteinizing Hormone Antibody (39.2A7)
NB120-15160	Chromogranin A Antibody - BSA Free
DFN00	Follistatin [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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