

# Product Datasheet

## Mouse, Rat Cotinine ELISA Kit (Colorimetric) KA2264

Unit Size: 1 Kit

Store at 4C.

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Updated 10/23/2024 v.20.1

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**KA2264****Mouse, Rat Cotinine ELISA Kit (Colorimetric)**

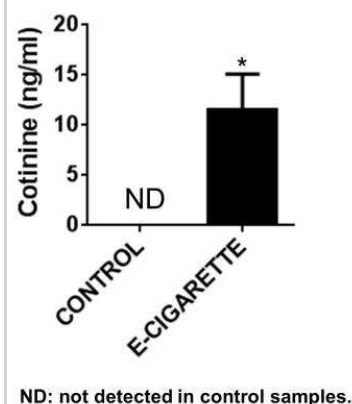
<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C.

<b>Product Description</b>	
<b>Description</b>	Cotinine (Mouse/Rat) ELISA Kit is intended for the measurement of Cotinine in mouse or rat serum or urine.
<b>Species</b>	Mouse, Rat
<b>Kit Components</b>	Microwell coated with polyclonal Ab to Cotinine, Standard Set (ready to use), Cotinine HRP Enzyme Conjugate (ready to use), TMB Substrate (ready to use), Stop Solution (ready to use), 20X Wash concentrate
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	5 to 100 ng/mL
<b>Sensitivity</b>	1 ng/mL
<b>Suitable Sample Type</b>	Serum, Urine
<b>Sample Volume</b>	10 uL

<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Quantification

**Images**

ELISA: Cotinine ELISA Kit [HRP] [KA2264] - analysis of acute e-cig exposed mouse plasma samples using Cotinine ELISA Kit. Image from verified customer review.



## Publications

Marina Z, Florie B, Cynthia G et al. Liver-directed SERPINA1 gene therapy attenuates progression of spontaneous and tobacco smoke-induced emphysema in  $\alpha$ 1-antitrypsin null mice. *Mol Ther Methods Clin Dev*. 2022-01-09 [PMID: 35592360]

Suzuki S, Cohen S, Arnold L et al. Cotinine, a major nicotine metabolite, induces cell proliferation on urothelium in vitro and in vivo. *Toxicology*. 2019-11-01 [PMID: 31678612]

Suzuki S, Cohen SM, Arnold LL et al. Orally administered nicotine effects on rat urinary bladder proliferation and carcinogenesis. *Toxicology* 2018-02-28 [PMID: 29501575]

Nie L, Hu Y, Yan X et al. The anti-apoptotic effect of hydrogen sulfide attenuates injuries to the medullary respiratory centers of neonatal rats subjected to in utero cigarette smoke exposure. *Respir Physiol Neurobiol* 2013-05-09 [PMID: 23665052]

Silva JP, Lambert G, van Booven D et al. Epigenomic and metabolic responses of hypothalamic POMC neurons to gestational nicotine exposure in adult offspring. *Genome Med* 2016-09-08 [PMID: 27609221]

Lerner CA, Sundar IK, Yao H et al. Vapors produced by electronic cigarettes and e-juices with flavorings induce toxicity, oxidative stress, and inflammatory response in lung epithelial cells and in mouse lung. *PLoS One* 2015-02-06 [PMID: 25658421]





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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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