

Cotinine (Mouse/Rat) ELISA Kit

Catalog # KA2264

Size 1 Kit

Specification

Product Description	Cotinine (Mouse/Rat) ELISA Kit is intended for the measurement of Cotinine in mouse or rat serum or urine.
Suitable Sample	Serum, Urine
Sample Volume	10 μ L
Label	HRP-conjugate
Detection Method	Colorimetric
Calibration Range	5 to 100 ng/mL
Reactivity	Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Publication Reference

- [Liver-directed SERPINA1 gene therapy attenuates progression of spontaneous and tobacco smoke-induced emphysema in \$\alpha\$ 1-antitrypsin null mice.](#)

Marina Zieger, Florie Borel, Cynthia Greer, Gwladys Gernoux, Meghan Blackwood, Terence R Flotte, Christian Mueller.

Molecular Therapy. Methods & Clinical Development 2022 Apr; 25:425.

Application: Qual, Mouse, Mouse serum

- [Protein thiol oxidation in the rat lung following e-cigarette exposure.](#)

Juan Wang, Tong Zhang, Carl J Johnston, So-Young Kim, Matthew J Gaffrey, David Chalupa, Guanqiao Feng, Wei-Jun Qian, Matthew D McGraw, Charles Ansong.

Redox Biology 2020 Oct; 37:101758.

Application: ELISA, Rat, Serum

- [Cotinine, a major nicotine metabolite, induces cell proliferation on urothelium in vitro and in vivo.](#)

Suzuki S, Cohen SM, Arnold LL, Pennington KL, Kato H, Naiki T, Naiki-Ito A, Yamashita Y, Takahashi S.

Toxicology 2020 Jan; 429:152325.

Application: Quant, Rat, Serum, Urine

- [Orally administered nicotine effects on rat urinary bladder proliferation and carcinogenesis.](#)

Suzuki S, Cohen SM, Arnold LL, Kato H, Fuji S, Pennington KL, Nagayasu Y, Naiki-Ito A, Yamashita Y, Takahashi S.

Toxicology 2018 Apr; 398-399:31.

Application: ELISA, Rat, Blood

- [Epigenomic and metabolic responses of hypothalamic POMC neurons to gestational nicotine exposure in adult offspring.](#)

Silva JP, Lambert G, van Booven D, Wahlestedt C.

Genome Medicine 2016 Sep; 8(1):93.

Application: Quan, Mouse, Mouse plasma

- [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.](#)

Lerner CA, Sundar IK, Yao H, Gerloff J, Ossip DJ, McIntosh S, Robinson R, Rahman I.

PLoS One 2015 Feb; 10(2):e0116732.

Application: ELISA, Mouse, Plasma

- [The anti-apoptotic effect of hydrogen sulfide attenuates injuries to the medullary respiratory centers of neonatal rats subjected to in utero cigarette smoke exposure.](#)

Nie L, Hu Y, Yan X, Li M, Chen L, Li H, Li X, Zhou H, Zheng Y.

Respiratory Physiology & Neurobiology 2013 Aug; 188(1):29.

Application: ELISA, Rat, Serum