

Serotonin ELISA Kit

Catalog # KA2518

Size 1 Kit

Specification

Product Description	Serotonin ELISA Kit is an enzyme immunoassay (ELISA) for the quantitative and ultra-sensitive determination of serotonin in any species and various biological samples.
Suitable Sample	Biological sample
Sample Volume	100 uL (acylated samples)
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.015 to 2.5 ng/mL
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C.

Applications

- Quantification

Publication Reference

- [Inhibition of BMP signaling pathway induced senescence and calcification in anaplastic meningioma.](#)

Kiyotaka Yokogami, Takashi Watanabe, Shinji Yamashita, Asako Mizuguchi, Hideo Takeshima.

Journal of Neuro-Oncology 2024 Mar; [Epub]:0.

Application: Quant, Human, Meningioma cells

- [Expression Level Changes in Serotonin Transporter are Associated with Food Deprivation in the Pond Snail *Lymnaea stagnalis*.](#)

Nozomi Chikamoto, Kanta Fujimoto, Junko Nakai, Yuki Totani, Dai Hatakeyama, Etsuro Ito.

Zoological Science 2023 Oct; 40(5):382.

Application: ELISA, Snail, *Lymnaea stagnalis* cerebral giant cells

- [Administration of *Bifidobacterium pseudolongum* suppresses the increase of colonic serotonin and alleviates symptoms in dextran sodium sulfate-induced colitis in mice.](#)

Misa Tatsuoka, Riku Shimada, Fumina Ohsaka, Kei Sonoyama.

Bioscience of Microbiota, Food and Health 2023 N/A; 42(3):186.

Application: ELISA, Mouse, Mouse colonic mucosa

- [CNS serotonin content mediating food deprivation-enhanced learning is regulated by hemolymph tryptophan concentration and autophagic flux in the pond snail.](#)

Yuki Totani, Junko Nakai, Dai Hatakeyama, Varvara E. Dyakonova, Ken Lukowiak, and Etsuro Ito.

Nutritional Neuroscience 2022 Feb; 1:11.

Application: Quant, Snail, Central nervous system

- [Effect of *Akkermansia muciniphila*, *Faecalibacterium prausnitzii*, and Their Extracellular Vesicles on the Serotonin System in Intestinal Epithelial Cells.](#)

Rezvan Yaghoobfar, Ava Behrouzi, Ehsan Zare Banadkoki, Fatemeh Ashrafiyan, Arezou Lari, Farzam Vaziri, Seyed Ali Nojumi, Abolfazl Fateh, Shohreh Khatami, Seyed Davar Siadat.

Probiotics and Antimicrobial Proteins 2021 Dec; 13(6):1546.

Application: Quant, Human, Caco-2 cells

- [Modulation of serotonin signaling/metabolism by *Akkermansia muciniphila* and its extracellular vesicles through the gut-brain axis in mice.](#)

Rezvan Yaghoobfar, Ava Behrouzi, Fatemeh Ashrafiyan, Arefeh Shahryari, Hamid Reza Moradi, Samira Choopani, Shima Hadifar, Farzam Vaziri, Seyed Ali Nojumi, Abolfazl Fateh, Shohreh Khatami, Seyed Davar Siadat.

Scientific Reports 2020 Dec; 10(1):22119.

Application: Quant, Human, Mouse, Caco-2 cells, Mouse colon, Mouse hippocampus, Mouse serum

- [Antidepressant Effect of *Tetragonia tetragonoides* \(Pall.\) Kuntze Extract on Serotonin Turnover.](#)

Yang H, Kim HJ, Hong EJ, Pyun BJ, Ko BS, Lee HW.

Evidence-Based Complementary and Alternative Medicine : ECAM. 2019 Feb; 2019:7312842.

Application: Quant, Rat, Rat serum

- [Specific microbiota dynamically regulate the bidirectional gut-brain axis communications in mice fed meat protein diets.](#)

Xie Y, Zhou G, Wang C, Xu X, Li C.

Journal of Agricultural and Food Chemistry 2019 Jan; 67(3):1003.

Application: Quant, Mouse, Mouse serum

- [Outcomes of developmental exposure to total particulate matter from cigarette smoke in zebrafish \(Danio rerio\).](#)

Massarsky A, Jayasundara N, Glazer L, Levin ED, Prasad GL, Di Giulio RT.

Neurotoxicology 2018 Jul; [Epub].

Application: Quant, Fish, Fish brain