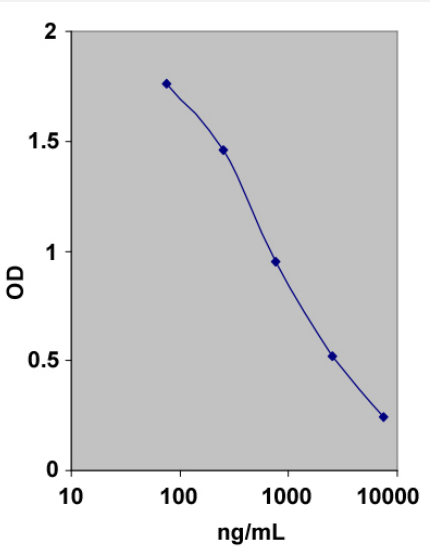
GABA ELISA Kit

Catalog # KA4912 Size 1 Kit

Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	GABA ELISA Kit is an enzyme immunoassay (ELISA) for the quantitative determination of gamma-aminobutyric acid (GABA) in urine.
Suitable Sample	Urine
Sample Volume	For the determination of samples in a range between 25- 2500 ng/mL: 300 uL (undiluted) For the determination of samples in a range between 75- 7500 ng/mL: 100 uL
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	For the determination of samples in a range between 25- 2500 ng/mL: 25-2500 ng/mL For the determination of samples in a range between 75- 7500 ng/mL: 59.1- 7500 ng/mL
Reactivity	Human

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Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Publication Reference

- Prebiotic fructan chain length influences enteric microbiota-host GABAergic signaling and intestinal motility.

  Benjamin A Levine, Alexis J Lynch, Michael T Bailey, Brett R Loman.

  The Journal of Nutritional Biochemistry 2025 Dec; 151:110234.

  Application: ELISA, Quant, Mice, Cecal, ileal, proximal colon content supernatants

- Multi-level analysis of gut microbiome extracellular vesicles-host interaction reveals a connection to gut-brain axis signaling.

  Walid Mottawea, Basit Yousuf, Salma Sultan, Tamer Ahmed, JuDong Yeo, Nico Hüttmann, Yingxi Li, Nour Elhouda Bouhlel, Hebatoallah Hassan, Xu Zhang, Zoran Minic, Riadh Hammami.

  Microbiology Spectrum 2024 Dec; 0:e0136824.

  Application: ELISA, Bacteria, Culture supernatants

- Multifunctional hydrogel electronics for closed-loop antiepileptic treatment.

  Jin Qu., Kai Xie., Shu Chen., Xingdao He., Yuan Wang., Matthew Chamberlin., Xi Zhao., Guangyu Zhu., Chenjie Xu., Peng Shi.

  Science Advances 2024 Nov; 10(47):0.

  Application: ELISA (GABA detection), Rat, Brain tissue (agarose)

- Effect of children secondhand smoke exposure associated with GABA concentration: Influence from parents who are extremely heavy smokers in urban households.

  Jadsada Kunno, Panu Pimviriyakul, Titaporn Luangwilai, Saowanee Sematong, Busaba Supawattanabodee, Sathit Kuratong, Mark Gregory Robson.

  The Science of the Total Environment 2024 Mar; 918:170720.

  Application: Quant, Human, Human urine

- The Effect of a Probiotic Complex on the Gut-Brain Axis: A Translational Study.

  Vincenzo Nobile, Silvana Giardina, Francesco Puoci.

  Neuropsychobiology 2021 Aug; 1.

  Application: Quant, Human, SK-N-DZ cells

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