

Product Datasheet

Glutamate ELISA Kit (Colorimetric)

KA1909

Unit Size: 1 Kit

Store at 4C.

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Publications: 16

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KA1909**Glutamate ELISA Kit (Colorimetric)****Product Information**

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

Product Description

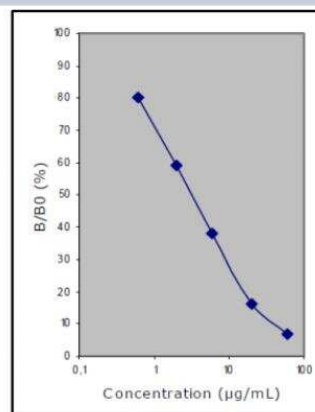
Description	Glutamate ELISA Kit is an enzyme immunoassay for the quantitative measurement of glutamate in biological samples.
Kit Components	Reaction Plate, Adhesive Foil, Wash Buffer Concentrate (50x), Enzyme Conjugate, Substrate, Stop Solution, Standard A, Standard B, Standard C, Standard D, Standard E, Standard F, Glutamate Antiserum, Assay Buffer, Equalizing Reagent, Glutamate Microtiter Strips, Extraction Plate, D-Reagent, Control 1, Control 2, Q-Buffer, Diluent, NaOH
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Standard Curve Range	0.26 to 60 ug/mL
Sensitivity	0.17 ug/mL
Inter Assay	CV% < 16%
Intra Assay	CV% < 6.8%
Assay Type	Quantification
Spiking Recovery	99%
Suitable Sample Type	Urine and various biological samples
Sample Volume	25 uL of prepared samples

Product Application Details

Applications	ELISA, Quantification
Recommended Dilutions	ELISA, Quantification

Images

ELISA: Glutamate ELISA Kit [HRP] [KA1909] - Standard curve.



Publications

Zayed AA, Seleem MM, Darwish HA, Shaheen AA. Role of long noncoding RNAs; BDNF-AS and 17A and their relation to GABAergic dysfunction in Egyptian epileptic patients Metabolic Brain Disease 2023-04-01 [PMID: 36807083] (ELISA)

Nagwa S, Mai A, Hebat A et al. Ameliorating effect of ketogenic diet on acute status epilepticus: Insights into biochemical and histological changes in rat hippocampus. J Food Biochem. 2022-05-11 [PMID: 35543175]

Chae P, Min C Interictal plasma glutamate levels are elevated in individuals with episodic and chronic migraine. Sci Rep. 2022-04-28 [PMID: 35484312]

Sherif M, Ramy A, Noha N et al. Role of PI3K/Akt axis in mitigating hippocampal ischemia-reperfusion injury via CB1 receptor stimulation by paracetamol and FAAH inhibitor in rat. Neuropharmacology. 2021-12-27 [PMID: 34968475]

Anwar S, Abir B, Mona A et al. Testing the combined effects of probiotics and prebiotics against neurotoxic effects of propionic acid orally administered to rat pups. Food Sci Nutr. 2021-06-23 [PMID: 34401092]

Mohamed E, Sameh S, Sara G et al. Melatonin exerts a neuroprotective effect against γ -radiation-induced brain injury in the rat through the modulation of neurotransmitters, inflammatory cytokines, oxidative stress, and apoptosis. Environ Sci Pollut Res Int. 2021-02-17 [PMID: 33598836]

Coleman J, Zou J, Crews F et al. Microglial depletion and repopulation in brain slice culture normalizes sensitized proinflammatory signaling. J Neuroinflammation. 2020-01-18 [PMID: 31954398]

El-Missiry M, Othman A, Amer M et al. Nanoformulated ellagic acid ameliorates pentylentetrazol-induced experimental epileptic seizures by modulating oxidative stress, inflammatory cytokines and apoptosis in the brains of male mice. Metab Brain Dis. 2019-11-14 [PMID: 31728888]

Suliman A, Bassant B, Mohamed E et al. Protective effect of metformin on rat diabetic retinopathy involves suppression of toll-like receptor 4/nuclear factor-k B expression and glutamate excitotoxicity. Int Immunopharmacol. 2020-11-25 [PMID: 33246827]

Sayed N, Fathy N, Kortam M et al. Vildagliptin Attenuates Huntington's Disease through Activation of GLP-1 Receptor/PI3K/Akt/BDNF Pathway in 3-Nitropropionic Acid Rat Model. Neurotherapeutics. 2019-11-14 [PMID: 31728850]

Zayed A, Seleem M, Darwish H, Shaheen A Role of long noncoding RNAs; BDNF-AS and 17A and their relation to GABAergic dysfunction in Egyptian epileptic patients Research Square 2022-08-01 (ELISA)

Bonnet CS, Gilbert SJ, Blain EJ et al. AMPA/Kainate glutamate receptor antagonists prevent post-traumatic osteoarthritis JCI Insight 2020-06-16 [PMID: 32544091]

More publications at <http://www.novusbio.com/KA1909>





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Products Related to KA1909

KA1670	Glutamate Assay Kit (Colorimetric)
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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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