

Product Datasheet

Glutamate ELISA Kit (Colorimetric) KA1909

Unit Size: 1 Kit

Store at 4C.

www.novusbio.com



technical@novusbio.com

Publications: 16

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/KA1909

Updated 10/23/2024 v.20.1

**Earn rewards for product
reviews and publications.**

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/KA1909

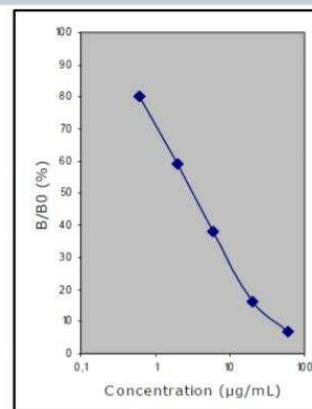


KA1909**Glutamate ELISA Kit (Colorimetric)**

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]

EI-Missiry M, Othman A, Amer M et al. Nanoformulated ellagic acid ameliorates pentylenetetrazol-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>





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to KA1909

KA1670	Glutamate Assay Kit (Colorimetric)
--------	------------------------------------

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/KA1909

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

