

Product Datasheet

Glutamate Assay Kit (Colorimetric) KA1670

Unit Size: 1 Kit

Store at -20C.

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KA1670**Glutamate Assay 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 -20C.

Product Description

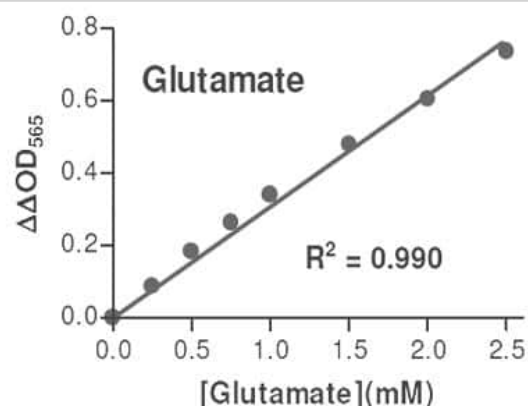
Description	Quality control test: Standard Curve Glutamate Assay Kit is a quantitative colorimetric determination of glutamate at 565 nm.
Species	Human, Rat
Kit Components	Assay Buffer, NAD Solution, Enzyme A, Enzyme B, MTT Solution, Standard (100 mM Glutamate)
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Standard Curve Range	0.25 to 2.5 mM
Sensitivity	50 uM
Assay Type	Colorimetric
Suitable Sample Type	Food Sample, Plasma, Serum, Tissue
Sample Volume	20 uL

Product Application Details

Applications	ELISA, Functional, Quantification
Recommended Dilutions	ELISA, Functional, Quantification

Images

Glutamate Assay Kit (Colorimetric) [KA1670] - The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.



Publications

- Punita K, Koustav R, Meetu W et al. Fear memory is impaired in hypobaric hypoxia: Role of synaptic plasticity and neuro-modulators in limbic region. *Life Sci.* 2020-03-16 [PMID: 32188570]
- Sengupta A, Das U, Manna K et al. An association study of severity of intellectual disability with peripheral biomarkers of disabled children in a rehabilitation home, Kolkata, India. *Sci Rep.* 2019-09-20 [PMID: 31541143]
- Punita K, Meetu W, Garima C et al. Hypobaric hypoxia induced fear and extinction memory impairment and effect of Ginkgo biloba in its amelioration: Behavioral, neurochemical and molecular correlates. *Behav Brain Res.* 2020-03-16 [PMID: 32194184]
- Wei Z, Jiandong H, Qingwei X et al. Glu-Urea-Lys Scaffold Functionalized Superparamagnetic Iron Oxide Nanoparticles Targeting PSMA for In Vivo Molecular MRI of Prostate Cancer. *Pharmaceutics.* 2022-09-26 [PMID: 36297485]
- Kahtani M Effect of both selenium and biosynthesized nanoselenium particles on cadmium-induced neurotoxicity in albino rats. *Hum Exp Toxicol.* 2019-10-16 [PMID: 31619074]
- Muller-Langle A, Lutz H, Hehlhans S et al. NMDA Receptor-Mediated Signaling Pathways Enhance Radiation Resistance, Survival and Migration in Glioblastoma Cells-A Potential Target for Adjuvant Radiotherapy. *Cancers (Basel).* 2019-04-09 [PMID: 30970642]
- Ali SA, Zaitone SA, Dessouki A, Ali AA et al. Pregabalin affords retinal neuroprotection in diabetic rats: Suppression of retinal glutamate, microglia cell expression and apoptotic cell death. *Exp Eye Res.* 2019-04-17 [PMID: 31002823]
- Shah SA, Amin FU, Khan M et al. Anthocyanins abrogate glutamate-induced AMPK activation, oxidative stress, neuroinflammation, and neurodegeneration in postnatal rat brain. *J Neuroinflammation* 2016-11-08 [PMID: 27821173]
- Yuan W, Anderson KW, Li S, Edwards JL. Subsecond Absolute Quantitation of Amine Metabolites Using Isobaric Tags for Discovery of Pathway Activation in Mammalian Cells. *Anal Chem.* 2012-03-07 [PMID: 22401307]
- Perez-Mato M, Ramos-Cabrer P, Sobrino T et al. Human recombinant glutamate oxaloacetate transaminase 1 (GOT1) supplemented with oxaloacetate induces a protective effect after cerebral ischemia. *Cell Death Dis.* 2014-01-09 [PMID: 24407245]
- Shah SA, Yoon GH, Kim HO, Kim MO. Vitamin C Neuroprotection Against Dose-Dependent Glutamate-Induced Neurodegeneration in the Postnatal Brain. *Neurochem Res.* 2015-02-21 [PMID: 25701025]





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Products Related to KA1670

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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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