

General Glutamate Assay Kit | AO1008_03138 assay kit

Glutamate Assay Kit

CATALOG # AAA105416	REACTIVITY General	APPLICATIONS Functional Assay
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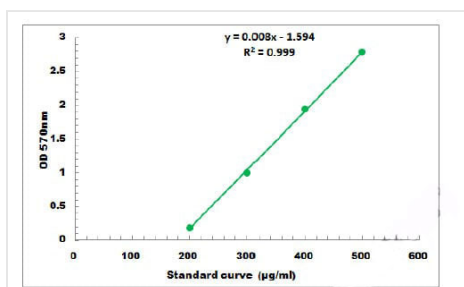
PRODUCT SYNONYMS

Glutamate; Glutamate Assay Kit; AO1008_03138 assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	2124
Samples	Urine, serum, plasma, tissue extracts, cell lysate, cell culture media and other biological fluids samples
Detection Range	100 ug/ml - 500 ug/ml
Applicable Applications for AO1008_03138 assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AO1008_03138 assay kit	Background/Introduction: Glutamate, one of the two acidic proteinogenic amino acids, is also a key molecule in cellular metabolism. In humans, glutamate plays an important role both in amino acid degradation and disposal of excess or waste nitrogen. Glutamate is the most abundant swift excitatory neurotransmitter in the mammalian nervous system. It is believed to be involved in learning and memory and has appeared to be involved in diseases like amyotrophic lateral sclerosis, lathyrism, autism, some forms of mental retardation and Alzheimer's disease. Glutamic acid is also present in a wide variety of foods, and has been used as a flavor enhancer in food industry. The enzyme catalysed reaction products can be measured at a colorimetric readout at 570 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	635504999
Molecular Weight	233,881 Da
NCBI Official Full Name	glutamate

UniProt Protein Name	Glutamate
UniProt Gene Name	AO1008_03138
UniProt Entry Name	A0A064ARR1_ASPOZ

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/general-assay-kits/glutamate/105416>