

General Gamma-glutamyltransferase Assay Kit

Gamma-glutamyltransferase Microplate Assay Kit

CATALOG # AAA263944	REACTIVITY General	APPLICATIONS Functional Assay
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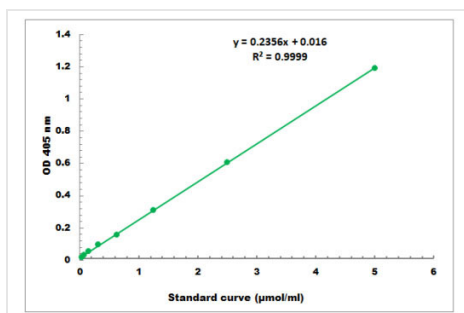
PRODUCT SYNONYMS

Gamma-glutamyltransferase; Gamma-glutamyltransferase Microplate Assay Kit; EC 2.3.2.2; glutamyl transpeptidase; alpha-glutamyl transpeptidase; gamma-glutamyl peptidyltransferase; gamma-glutamyl transpeptidase (ambiguous); gamma-GPT; gamma-GT; gamma-GTP; L-gamma-glutamyl transpeptidase; L-gamma-glutamyltransferase; L-glutamyltransferase; GGT (ambiguous); gamma-glutamyltranspeptidase (ambiguous); Gamma-glutamyltransferase assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	574
Samples	Urine, Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media, Other biological fluids Samples
Detection Range	0.01 umol/ml - 5 umol/ml
Applicable Applications for Gamma-glutamyltransferase assay kit	FA (Functional Assay)
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Gamma-glutamyltransferase assay kit

Background: Gamma-glutamyltransferase (also gamma-glutamyltransferase, GGT, gamma-GT; EC 2.3.2.2) is a transferase (a type of enzyme) that catalyzes the transfer of gamma-glutamyl functional groups from molecules such as glutathione to an acceptor that may be an amino acid, a peptide or water (forming glutamate). GGT plays a key role in the gamma-glutamyl cycle, a pathway for the synthesis and degradation of glutathione and drug and xenobiotic detoxification. Other lines of evidence indicate that GGT can also exert a pro-oxidant role, with regulatory effects at various levels in cellular signal transduction and cellular pathophysiology. This transferase is found in many tissues, the most notable one being the liver, and has significance in medicine as a test marker. Gamma-glutamyltransferase Microplate Assay Kit is a sensitive assay for determining Gamma-glutamyltransferase activity in various samples. Gamma-glutamyltransferase activity is determined by the product of paranitroaniline. The reaction products can be measured at a colorimetric readout at 405 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	355398055
NCBI Official Full Name	gamma-glutamyltransferase

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.

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Online datasheet: <https://www.aaabiotech.com/general-assay-kits/gamma-glutamyltransferase/263944>