

Glutathione S-Transferase (GST) Assay Kit | GST assay kit

CheKine™ Glutathione S-Transferase (GST) Colorimetric Assay Kit

CATALOG #
AAA332460

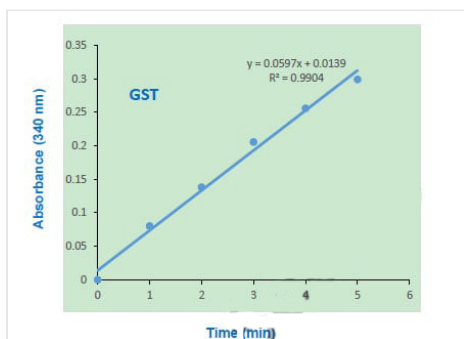
PRODUCT SYNONYMS

Glutathione S-Transferase (GST); CheKine™ Glutathione S-Transferase (GST) Colorimetric Assay Kit; GST assay kit

PRODUCT SPECIFICATIONS

Sequence Length	218
Samples	Serum, Plasma, Animal and Plant Tissues, Cells, Bacteria
Detection Range	2-76 U/L
Preparation and Storage	Storage at -20 degree C and keep from light immediately upon receipt. Kit has a storage time of 12 months from receipt. Refer to list of materials supplied for storage conditions of individual components. Shipping: Ice packs

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GST assay kit

Principle of the Assay: Glutathione S-transferases (GST) are ubiquitous multifunctional enzymes, which play a key role in cellular detoxification. The enzymes protect cells against toxicants by conjugating them to glutathione, thereby neutralizing their electrophilic sites, and rendering the products more water-soluble. The glutathione conjugates are metabolized further to mercapturic acid and then excreted. GST has the activity of GSH-Px, also called non-Se GSH-Px, which has the function of repairing oxidative damage of macromolecule such as DNA, protein and so on. GST catalyzed reaction decreased GSH content, but did not increase GSSG content. Based on their sequence homology, substrate specificity and immunological cross-reactivity, GSTs have been grouped into species-independent classes of isozymes. These classes are comprised of both cytosolic and microsomal enzymes. CheKine™ Micro Glutathione S-Transferase (GST) Assay Kit provides a simple method for detecting activity of GST in a variety of biological samples such as serum, plasma, animal tissues, cells and bacteria. GST catalyzes the binding of GSH to CDNB. The conjugation is accompanied by an increase in absorbance at 340 nm. The rate of increase is directly proportional to the GST activity in the sample.

Product Categories/Family for GST assay kit

Cell Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	243794
NCBI Official Full Name	glutathione S-transferase, GST

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://stage.aaabiotech.com/assay-kits/glutathione-s-transferase-gst/332460>