

GST elisa kit

GST ELISA Kit

CATALOG #
AAA44711

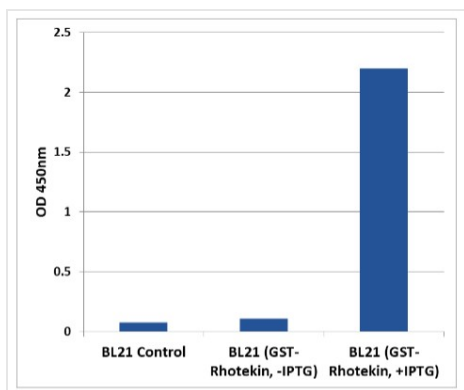
PRODUCT SYNONYMS

GST; GST ELISA Kit; GST elisa kit

PRODUCT SPECIFICATIONS

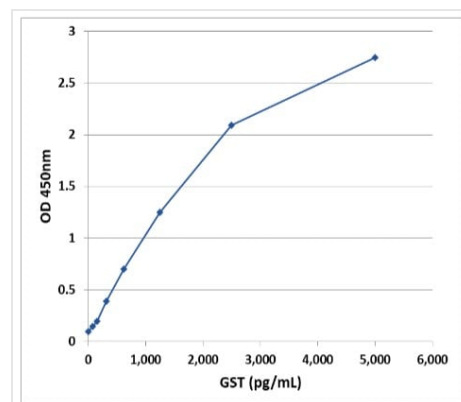
Detection Method	Colorimetric
Principle of the Assay	The GST protein standards, and the unknown GST or GST-tagged protein samples, are first added to an anti-GST polyclonal antibody coated plate. After incubation, an FITC-conjugated anti-GST antibody is added, followed by an HRP-conjugated mouse anti-FITC antibody. The GST-tag protein content in unknown samples is determined by comparing with a standard curve that is prepared from GST protein standards.
Preparation and Storage	Upon receipt, aliquot and store the recombinant GST Standard at -20 degree C and avoid freeze/thaw. Store all other components at 4 degree.

IMAGES



Application Data

Figure 2: GST-Rhotekin in BL21 Bacterial Lysate. BL21 E.Coli lysate was first diluted to 0.2 mg/mL with bacterial sonication buffer (PBS/1% Triton X-100), then further dilute 1000 fold with Assay Diluent. Diluted E.Coli lysate was subjected to GST ELISA Kit according to the Assay Protocol.



Application Data

The following figures demonstrate typical results with the GST ELISA Kit. One should use the data below for reference only. This data should not be used to interpret actual results.

ADDITIONAL INFORMATION

Related Product Information for GST elisa kit

Glutathione S-transferase (GST) is a naturally-occurring 26 kDa protein found in eukaryotic cells. The gene from the parasitic helminth *Schistosoma japonicum* was used in the development of the GST affinity tag to aid in the purification of recombinant proteins. The 26 kDa GST moiety binds with high affinity to glutathione coupled to a matrix. This binding is reversible and the protein can be eluted under mild, non-denaturing conditions by the addition of reduced glutathione to the elution buffer. A specific protease site engineered between the GST moiety and the protein of interest allows removal of the GST moiety from the target recombinant protein. The GST can be removed from the sample by re-chromatography on a glutathione column, and the protein of interest purified to homogeneity by other techniques such as gel filtration or ion exchange. GST ELISA Kit is an enzyme immunoassay developed for detection and quantitation of GST or GST-tagged proteins in cell or tissue samples. The kit has detection sensitivity limit of 78 pg/mL GST. Each kit provides sufficient reagents to perform up to 96 assays including standard curve and GST samples.

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/elisa-kits/gst/44711>