



Datasheet for ABIN99864 anti-GST antibody (Biotin)



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Overview

Quantity:	1 mg
Target:	GST
Reactivity:	Schistosoma japonicum
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This GST antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunomicroscopy (IM)

Product Details

Immunogen:	Glutathione-S-Transferase [Schistosoma japonicum] Immunogentype:Native
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	GST
Alternative Name:	GST (GST Products)

Background: Biotin conjugated anti-GST antibody is specific for the GST affinity tag. Affinity tags are appended to proteins thereby allowing them to be purified from their crude biological source using an affinity technique. Common affinity tags include glutathione-S-transferase (GST), chitin binding protein (CBP), maltose binding protein (MBP), and the poly-Histidine or HIS-tag.

Target Details

Synonyms: GST, Glutathione-S-Transferase, GST antibody, anti-GST antibody, anti-Glutathione-S-Transferase antibody

Application Details

Application Notes: Anti-GST Antibody, Biotin Conjugated is suitable for immunoblotting, ELISA, immunohistochemistry, immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency. Optimal concentrations in these or other immunoassays should be determined by the researcher.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Restore with deionized water (or equivalent)

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

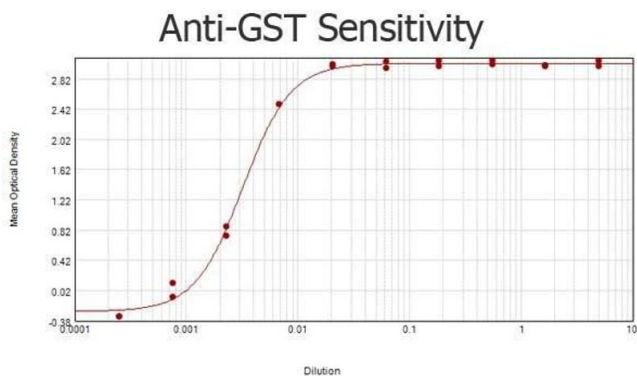
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Publications

Product cited in: Tempfer, Kaser-Eichberger, Lehner, Gehwolf, Kornthner, Kunkel, Wagner, Gruetz, Heindl, Schroedl, Traweger: "Bevacizumab Improves Achilles Tendon Repair in a Rat Model." in: **Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology**, Vol. 46, Issue 3, pp. 1148-1158, (2018) ([PubMed](#)).



ELISA

Image 1. ELISA results of purified Goat anti-GST Antibody Biotin Conjugated tested against purified GST. Each well was coated in duplicate with 1.0 μg of GST. The starting dilution of antibody was 5 $\mu\text{g}/\text{ml}$ and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gelatin as blocking buffer, Streptavidin Peroxidase Conjugated and TMB substrate p/n TMBE-1000