

Anti-GST (GOAT) Antibody Biotin Conjugated - 600-106-200

Code: 600-106-200

Size: 1 mg

Product Description: Anti-GST (GOAT) Antibody Biotin Conjugated - 600-106-200

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

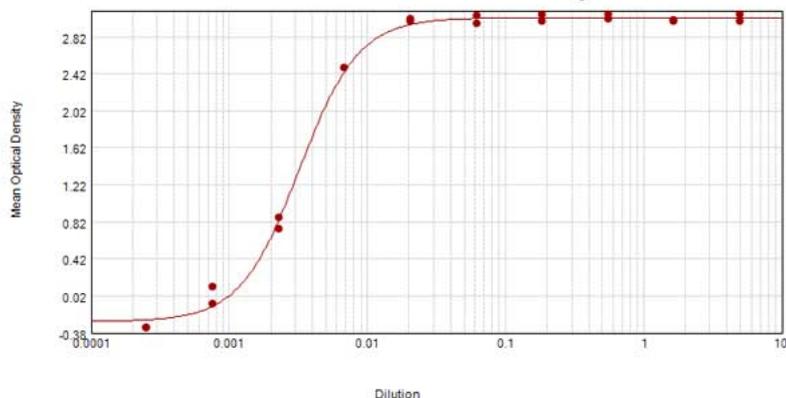
PhysicalState: Lyophilized

Label	Biotin
Host	Goat
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	goat anti-GST antibody biotin conjugation, biotin conjugated goat anti-GST antibody, Glutathione-S-Transferase, GST antibody, anti-GST antibody, anti-Glutathione-S-Transferase antibody
Application Note	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.
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.
Purity And Specificity	Anti-GST Antibody, Biotin Conjugated, was prepared from monospecific antiserum by immunoaffinity chromatography using GST coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Goat Serum, as well as purified and partially purified Glutathione-S-Transferase [Schistosoma japonicum]. Cross reactivity against Glutathione-S-Transferase from other sources may occur but has not been specifically determined.
Assay Dilutions	User Optimized
ELISA	1:10,000 - 1:50,000
Western Blot	1:2,000 - 1:10,000
Immunohistochemistry	1:1,000 - 1:5,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Glutathione-S-Transferase [Schistosoma japonicum]
Related Products	
105-4102	Anti-GOAT IgG (H&L) (RABBIT) Antibody - 105-4102
B304	NORMAL GOAT SERUM (NGS) - B304
B501-0500	BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500
MB-070	Blocking Buffer for Fluorescent Western Blotting - MB-070

Images

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 (p/n 000-001-200). 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

Anti-GST Sensitivity



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.