

Datasheet for 600-105-200**GST Antibody Alkaline Phosphatase Conjugated****Overview**

Description:	Anti-GST (GOAT) Antibody Alkaline Phosphatase Conjugated - 600-105-200
Item No.:	600-105-200
Size:	1 mg
Applications:	ELISA, WB
Reactivity:	GST-Tag
Host Species:	Goat

Product Details

Background:	GST Antibody is specific for the GST affinity tag. Affinity tags re 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.
Synonyms:	goat anti-GST antibody alkaline phosphatase conjugation, alk phos conjugated goat anti-GST antibody, Glutathione-S-Transferase, GST antibody, anti-GST antibody, anti-Glutathione-S-Transferase antibody, ALP, Alk Phos
Host Species:	Goat
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	GST-Tag
Immunogen Type:	Native Protein
Immunogen:	Glutathione-S-Transferase [Schistosoma japonicum]

Purity/Specificity:	Anti-GST Alkaline Phosphatase Conjugated antibody as 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-Goat Serum, anti-Alkaline Phosphatase, 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.
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Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-GST Antibody Alkaline Phosphatase conjugated has been tested by ELISA and western blot and is suitable for immunoblotting, ELISA, immunohistochemistry as well as other antibody based assays using alkaline phosphatase conjugates requiring lot-to-lot consistency. Optimal concentrations in these or other immunoassays should be determined by the researcher.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:1,000 - 1:5,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,000

Formulation

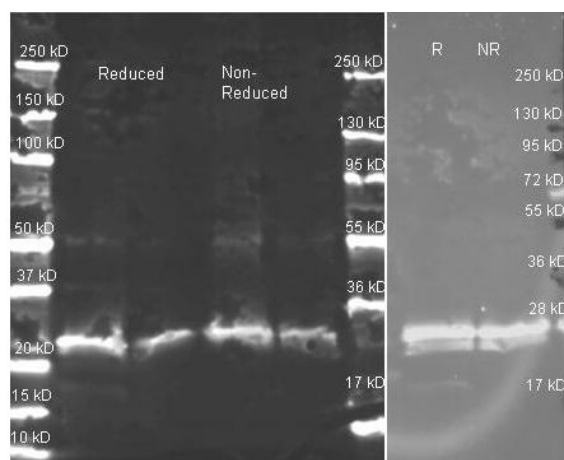
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Goat anti GST antibody. Lane 1: molecular weight. Lane 2: 1 ug GST reduced. Lane 3: 0.25 ug GST reduced. Lane 4: 1 ug GST non-reduced. Lane 5: 0.25 ug GST non-reduced. Lane 6: molecular weight. Primary antibody: Goat anti GST antibody at 1:5000 for overnight at 4°C. Secondary antibody: Dylight 649 conjugated Donkey anti Goat secondary antibody at 1:10,000 for 1.5 hours at RT. Lane 7: 1 ug GST reduced. Lane 8: 1 ug GST non-reduced. Lane 9: molecular weight. Primary antibody: Goat anti GST antibody at 1:1000 for overnight at 4°C. Secondary antibody: Dylight 549 conjugated Donkey anti Goat secondary antibody at 1:10,000 for 1.5 hours at RT. Block: MB-070 overnight at 4°C.

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.