

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

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

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Background:</b>   | 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. |
| <b>Synonyms:</b>     | 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                                                                                                                                     |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                        |
| <b>Conjugate:</b>    | Alkaline Phosphatase (AP)                                                                                                                                                                                                                                                                                                                                   |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                  |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                         |

**Target Details**

|                        |                                                   |
|------------------------|---------------------------------------------------|
| <b>Reactivity:</b>     | GST-Tag                                           |
| <b>Immunogen Type:</b> | Native Protein                                    |
| <b>Immunogen:</b>      | Glutathione-S-Transferase [Schistosoma japonicum] |

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| <b>Purity/Specificity:</b> | 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

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| <b>Tested Applications:</b> | ELISA, WB                                                                                                                                                                                                                                                                                                                                                                |
| <b>Application Note:</b>    | 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. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                          |
| <b>ELISA:</b>               | 1:1,000 - 1:5,000                                                                                                                                                                                                                                                                                                                                                        |
| <b>IHC:</b>                 | 1:200 - 1:1,000                                                                                                                                                                                                                                                                                                                                                          |
| <b>WB:</b>                  | 1:500 - 1:2,000                                                                                                                                                                                                                                                                                                                                                          |

## Formulation

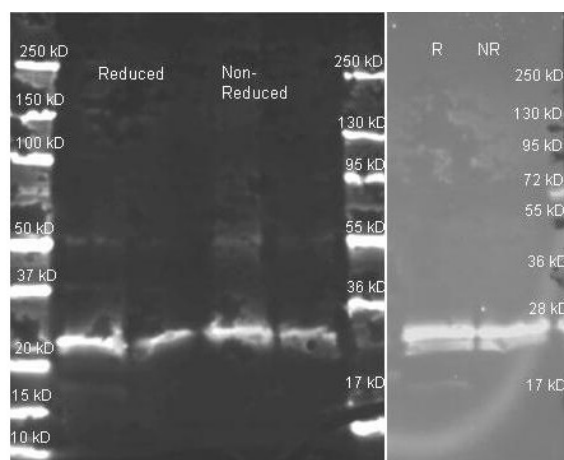
|                        |                                                                                                                           |
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| <b>Physical State:</b> | Liquid (sterile filtered)                                            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

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                |
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| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                        |
| <b>Storage Condition:</b>  | 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

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