

**Anti-GST (MOUSE) Monoclonal Antibody**  
**GST Antibody**  
**Catalog # ASR4138**

**Specification**

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**Anti-GST (MOUSE) Monoclonal Antibody - Product Information**

Host	<b>Mouse</b>
Conjugate	<b>Unconjugated</b>
Clonality	<b>Monoclonal</b>
Application	<b>WB, IHC, E, IP, I, LCI</b>
Application Note	<b>Anti-GST antibody has been tested by ELISA and western blot and is suitable for most immunological techniques requiring high titer binding and lot-to-lot consistency.</b>
Physical State	<b>Liquid (sterile filtered)</b>
Buffer	<b>0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</b>
Immunogen	<b>A BALB/c mouse was immunized with Glutathione-S-Transferase [Schistosoma japonicum].</b>
Preservative	<b>0.01% (w/v) Sodium Azide</b>

**Anti-GST (MOUSE) Monoclonal Antibody - Additional Information**

**Purity**

Anti-GST monoclonal antibody was purified from concentrated tissue culture supernate by Protein A chromatography which reacts specifically with GST. Cross reactivity against Glutathione-S-Transferase from other sources may occur but has not been specifically determined.

**Storage Condition**

Store anti-GST at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-GST (MOUSE) Monoclonal Antibody - Protein Information**

**Anti-GST (MOUSE) Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-GST (MOUSE) Monoclonal Antibody - Images



Western Blot of Mouse-anti-GST antibody. Lane 1: molecular weight marker. Lane 2: Mouse-anti-GST monoclonal antibody (blue), Rabbit anti-Transferrin (green), and Goat-anti-Alpha-1-Anti-Trypsin (red) were used in a multiplex system to detect target proteins under reducing conditions in albumin depleted human serum with 320 ng of added GST. Load: 1 µg per lane. Primary antibody: Each primary antibody at 1:1000 for overnight at 4°C. Secondary antibody: Donkey anti-Rabbit IgG DyLight549 (p/n 611-742-127), Donkey anti-Mouse IgG DyLight 488 (p/n 610-741-002), and Donkey anti-Goat IgG DyLight 649 (p/n 605-743-002) secondary antibody at 1:10,000 for 30 min at RT. Block: MB-070 overnight at 4°C.

### Anti-GST (MOUSE) Monoclonal Antibody - Background

Rockland produces a wide range of GST antibodies in our laboratories. Select GST antibodies from several monoclonal and/or polyclonal GST antibodies listed below. Select appropriate GST antibodies for your research by isotype, epitope, applications and species reactivity. GST (Glutathione-S-Transferase) is a protein expression tag commonly used in molecular biology. Anti-GST will react with synthetic construct present in most known GST containing cloning or expression vectors. GST is responsible for the conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. The amino acid sequence GST is highly conserved in most organisms including mammals. GST exists as a 26 kDa homodimer.