# antibodies -online.com







2 Images



### Overview

Quantity:	500 μg
Target:	GST
Reactivity:	Schistosoma japonicum
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GST antibody is un-conjugated
Application:	Immunoassay (IA)
Product Details	

Immunogen:	A BALB/c mouse was immunized with Glutathione-S-Transferase [Schistosoma japonicum].  Immunogentype:Native
Clone:	3D4
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	This protein A purified mouse monoclonal antibody reacts specifically with GST.

# **Target Details**

Target:	GST
Alternative Name:	GST (GST Products)
Background:	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.

Synonyms: GST, Glutathione-S-Transferase

# **Application Details**

Application Notes:	Suitable for most immunological techniques requiring high titer binding and lot-to-lot
	consistency
Restrictions:	For Research Use only

## Handling

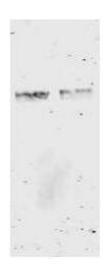
Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

### **Images**



# **Western Blotting**

Image 1. Western Blot of Mouse-anti-GST antibody. Lane 1: molecular weight. Lane 2: Mouse-anti-GST monoclonal antibody (blue), Rabbit anti-Transferrin, and Goat-anti-Alpha-1-Anti-Trypsin 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: DyLight549



Donkey anti-Rabbit IgG (green) DyLight 488 Donkey anti-Mouse IgG (blue), and DyLight 649 Donkey anti-Goat IgG (red) secondary antibody at 1:10,000 for 30 min at RT. Block: ABIN925618 overnight at 4°C.

### **Western Blotting**

**Image 2.** Western Blot of anti-GST antibody. Lane 1: GST recombinant protein. Lane 2: lysate of HeLa cells expressing recombinant GST protein. Load: 0.1 μg per lane. Primary antibody: GST antibody at 1.0μg/ml for 1 h at room temperature. Secondary antibody: goat anti-mouse secondary antibody at 1:5,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Other band(s): none.