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Datasheet for ABIN129505

anti-GST antibody

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 |

Target Details

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.