**BACKGROUND**

Plasmid vectors for the expression of coding regions of eukaryotic genes in *E. coli* are in common usage; such expression vectors often encode hybrid fusion proteins containing part prokaryotic and part eukaryotic specified proteins. For instance, the pGEX.3X expression vector developed by Smith and Johnson allows for synthesis of fusion proteins between glutathione-S-transferase (GST) and proteins encoded by inserted cDNA sequences. Antibodies derived from these GST fusion proteins are useful for checking protein expression both in plaques and on Western blots as well as for immunoaffinity purification of proteins expressed in *E. coli*.

**REFERENCES**


**SOURCE**

GST (Z-5) is a rabbit polyclonal antibody raised against a sequence of GST.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Available as Alexa Fluor® 405 (sc-459 AF405), Alexa Fluor® 488 (sc-459 AF488) or Alexa Fluor® 647 (sc-459 AF647) conjugates for immunofluorescence; 100 µg/2 ml.

Alexa Fluor® is a trademark of Molecular Probes, Inc., Oregon, USA

**APPLICATIONS**

GST (Z-5) is recommended for detection of GST fusion proteins and glutathione-S-transferase (GST) of *Schistosoma japonicum* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunoprecipitation (1-2 µg per 100-500 µg of total protein [1 ml of cell lysate]); of recombinant GST fusion proteins expressed in *E. coli*; designed to be used with GST expression vectors such as pGEX.3X and pGEX.2T.

Molecular Weight of GST: 26 kDa.

**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**SELECT PRODUCT CITATIONS**


Try GST (B-14): sc-138 or GST (A-6): sc-374171, our highly recommended monoclonal alternatives to GST (Z-5). Also, for AC, HRP, FITC, PE, Alexa Fluor® 488 and Alexa Fluor® 647 conjugates, see GST (B-14): sc-138.