Anti-GST-Tag Mouse Monoclonal Antibody

Catalog #: T023

Aliases

Glutathione S Transferase mu; glutathione-S-transferase; Glutathione S Transferase; Glutathione S transferase Mu 1; GST 26; GST class mu 1; GST1; GSTM1; GSTM1 1; GSTM1a 1a; GSTM1b 1b; GTH4; GTM1; H B; HB subunit 4; MGC26563; MU 1; MU; SJ26 antigen; SjGST; GST-tag

Background

The GST Tag (Glutathione S-Transferase tag) is a larger affinity tag (~26 kDa) derived from the Schistosoma japonicum enzyme glutathione S-transferase. It is genetically fused to the N-terminus or C-terminus of recombinant proteins, primarily serving as a purification and solubility tag. Unlike smaller epitope tags (e.g., HA or Myc), GST leverages enzymatic activity for affinity-based isolation. Its size can influence protein folding or function but often enhances solubility and stability of fused partners, especially for insoluble or unstable proteins.

Application Information

Molecular Weight: Recombinant protein dependent
Clonality: Mouse monoclonal antibody
Clone ID: 25GB7025
Species Reactivity: Recombinant protein
Applications Tested: Western blotting (WB)

Immunogen

Recombinant protein of GST-Tag

Isotype

Mouse IgG1

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.05% Proclin 300.

Storage

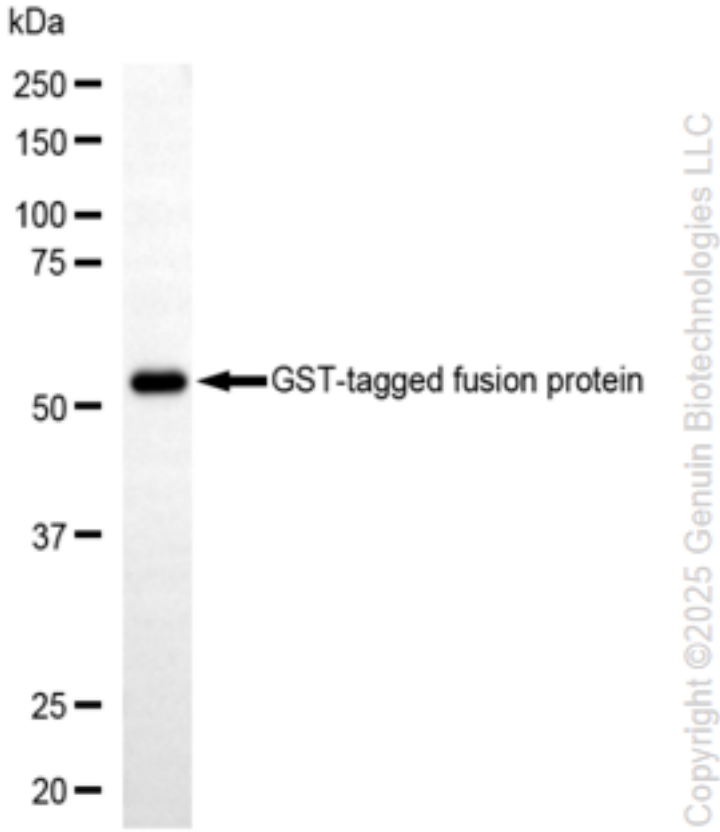
Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Note: This product is for research use only.

Validation Data



Western blotting analysis using anti-His tag antibody (Cat#T023). GST-tagged fusion protein expressed by E. coli were loaded and separated by SDS-PAGE. The blot was incubated with anti-His tag antibody (Cat#T023, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).