

Mouse GST Monoclonal Antibody | anti-GST antibody

Anti-GST tag Antibody, Mouse Monoclonal

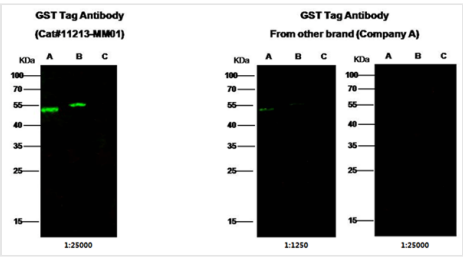
CATALOG # AAA27744	HOST Mouse	REACTIVITY Schistosoma japonicum	APPLICATIONS Western Blot, Immunoprecipitation
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PRODUCT SYNONYMS

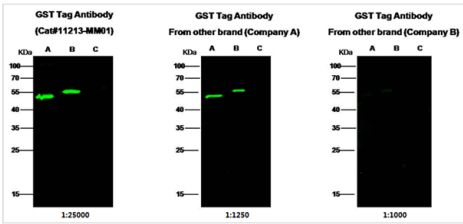
GST; Monoclonal Antibody; Anti-GST tag Antibody; Mouse Monoclonal; GST Tag Antibody; Mouse MAb; anti-GST antibody

PRODUCT SPECIFICATIONS

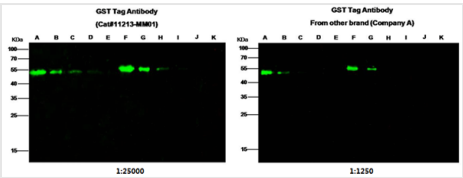
Host	Mouse
Reactivity	Schistosoma japonicum
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	6C10G4
Specificity	Recognize GST Tag in fusion proteins. No cross-reactivity in ELISA with E Coli cell lysate
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GST antibody	WB (Western Blot), IP (Immunoprecipitation)
Application Notes	WB: 1:1000-1:10,000 IP: 1-4ul/mg of lysate
Immunogen	Recombinant GST protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Glutathione S-transferase (GST). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



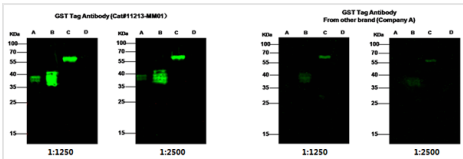
WB (Western Blot)
Anti-GST Tag mouse monoclonal antibody at 1:25000, 1:1250, 1:25000Lane A: GST-mBID transfected E.coli cell lysate (0.2ug)Lane B: GST-YWHAB transfected E.coli cell lysate (0.2ug)Lane C: Empty vector (0.2ug)SecondaryGoat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.Developed using the Odyssey technique. Performed under reducing conditions.



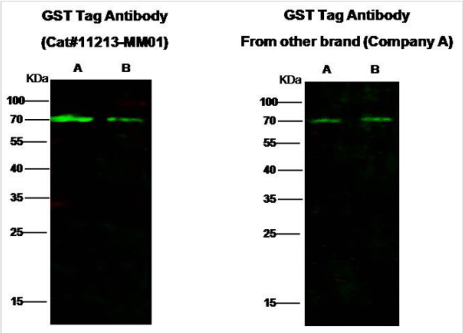
WB (Western Blot)
Anti-GST Tag mouse monoclonal antibody at 1:25000, 1:1250, 1:1000Lane A: GST-mBID transfected E.coli cell lysate (0.1ug)Lane B: GST-YWHAB transfected E.coli cell lysate (0.1ug)Lane C: Empty vector (0.1ug)SecondaryGoat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.Developed using the Odyssey technique. Performed under reducing conditions.



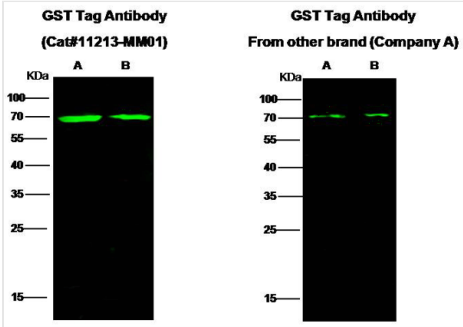
Application Data
Recognize GST tag fusion proteins which expressed by E. coli.Anti-GST Tag mouse monoclonal antibody at 1:25000, 1:1250Lane A: GST-mBID transfected E.coli cell lysate (0.5ug)Lane B: GST-mBID transfected E.coli cell lysate (0.2ug)Lane C: GST-mBID transfected E.coli cell lysate (0.1ug)Lane D: GST-mBID transfected E.coli cell lysate (0.05ug)Lane E: GST-mBID transfected E.coli cell lysate (0.02ug)Lane F: GST-YWHAB transfected E.coli cell lysate (0.5ug)Lane G: GST-YWHAB transfected E.coli cell lysate (0.2ug)Lane H: GST-YWHAB transfected E.coli cell lysate (0.1ug)Lane I: GST-YWHAB transfected E.coli cell lysate (0.05ug)Lane J: GST-YWHAB transfected E.coli cell lysate (0.02ug)Lane K: Empty vector (0.5ug)SecondaryGoat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.Developed using the Odyssey technique. Performed under reducing conditions.



WB (Western Blot)
Recognize GST tag fusion proteins which expressed by 293 cell.Anti-GST Tag mouse monoclonal antibody at 1:1250 or 1:2500Lane A: GST-FABP4-DYKDDDDK transfected 293 Cell Lysate (30ug)Lane B: DYKDDDDK-FABP4-GST transfected 293 Cell Lysate (30ug)Lane C: DYKDDDDK-AGR1-GST transfected 293 Cell Lysate (30ug)Lane D: Negative controlSecondaryGoat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.Developed using the Odyssey technique. Performed under reducing conditions.



WB (Western Blot)
Recognize GST tag fusion protein human USP7.Anti-GST Tag mouse monoclonal antibody at 1:4000Lane A: GST-USP7 (Recombinant protein) (100ng)Lane B: GST-USP7 (Recombinant protein) (50ng)SecondaryGoat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.Developed using the Odyssey technique. Performed under reducing conditions.



Application Data
Recognize GST tag fusion protein human ERK2.Anti-GST Tag mouse monoclonal antibody at 1:4000Lane A: GST-ERK2 (Recombinant protein) (100ng)Lane B: GST-ERK2 (Recombinant protein) (50ng)SecondaryGoat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.Developed using the Odyssey technique. Performed under reducing conditions.

ADDITIONAL INFORMATION

Related Product Information for anti-GST antibody

The glutathione S-transferase (GST) tag is another well-established affinity tag based on the strong affinity of GST for immobilized glutathione. The GST tag is best suitable for use in prokaryotic expression because GSTs are a family of multifunctional cytosolic proteins that are present in eukaryotic organisms but generally not found in bacteria. Similar to the MBP tag, GST tag has long been used to increase the solubility of fusion proteins in E. Coli. GST-tagged proteins are captured by immobilized glutathione and then are eluted under mild, nondenaturing conditions using reduced glutathione.

References

Zhao X, et al. (2013) Several affinity tags commonly used in chromatographic purification. J Anal Methods Chem 2013 581093. Monti M, et al. (2007) Functional proteomics: Protein-protein interactions in vivo. Ital J Biochem 56 (4): 310-314. Brothers SP, et al. (2003) Unexpected effects of epitope and chimeric tags on gonadotropin-releasing hormone receptors: Implications for understanding the molecular etiology of hypogonadotropic hypogonadism. J Clin Endocrinol Metab 88 (12): 6107-6112.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gst-antibody-clone-6c10g4-western-blot-immunoprecipitation-elisa/27744>