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Product no AS21 4677

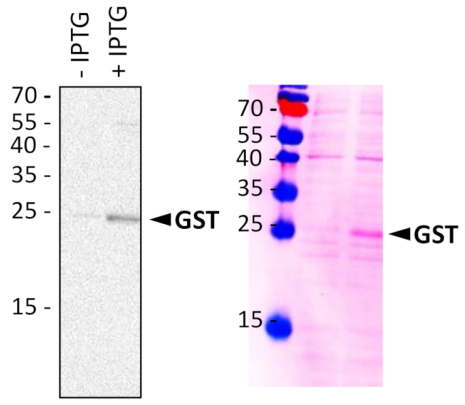
GST-tag (mouse, monoclonal)

Product information

Immunogen	GST (glutathione S-transferase) recombinant protein
Host	Mouse
Clonality	Monoclonal
Subclass/isotype	IgG1a
Purity	Affinity purified in PBS pH 7.4. Contains 0.02 % sodium azide. Contains 50 % glycerol.
Format	Liquid
Quantity	50 µg
Storage	Store at -20°C for up to 3 years, Make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1: 500 - 1: 5000 (WB)
Expected | apparent MW	Depends upon MW of a fusion protein
Additional information	This antibody is recognizing native and denatured forms of GST
Selected references	To be added when available, antibody released in October 2021.



Proteins were isolated from *E. coli* Rosetta cells transformed with pGEX6P-1 vector. Lane 1 contains protein fraction from bacterial cells before induction with IPTG (-). Lane 2 contains protein fraction from bacterial cells after 2 h induction with IPTG (+). 15uL of sample were loaded and separated on an 15 % SDS-PAGE and transferred for 70 min at 55V using a tank transfer system to nitrocellulose membrane. Blots were blocked with 1x PBS + 0.1 %Tween 20 (T) + 5% milk for 1 h at room temperature (RT) with agitation. Blots were incubated with the primary antibody -GST (AS21 4677) at indicated dilutions overnight at 4°C with agitation in 1x PBS-T + 5% milk. The primary antibody solutions were decanted, and the blots were washed 4 times (6-8 minutes each) in 1x PBS-T at RT with agitation. Blots were incubated with secondary antibody Goat anti-Mouse (Product no: AS09 627-trial) diluted to 1 : 20,000 in 1x PBS-T + 5% milk for 2 h at RT with agitation. The blots were washed as above and developed with ECL or chemiluminescent detection reagents AgriseraECL SuperBright (AS16 ECL-S-10) for 4 min and imaged using ChemiDoc (BioRad) for 5 seconds. PonceauS served as loading control.

Courtesy of Kelly Mason and Antje Heese; Dept. Biochemistry, IPG; University of Missouri, Columbia (MO), USA