

Mouse anti-Human GST Monoclonal Antibody | anti-GST antibody

GST antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47981	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

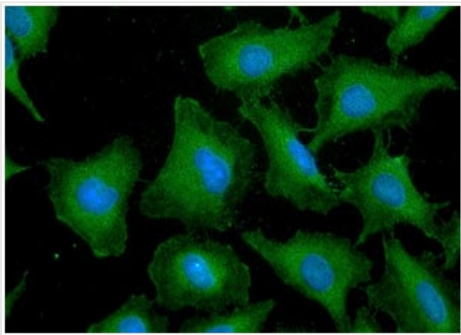
PRODUCT SYNONYMS

GST; Monoclonal Antibody; GST antibody; Glutathione S-Transferase; GST 26; Sj26 antigen; SjGST; anti-GST antibody

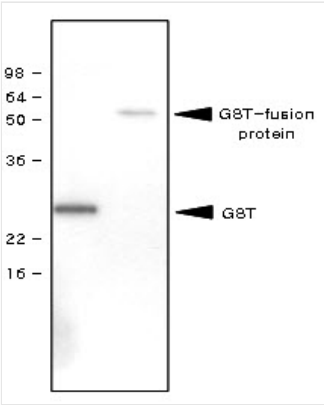
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	1E5
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-GST antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant Glutathione S transferase (GST) purified from E. coli
Clone Note	Anti-GST mAb, clone 1E5, is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant GST protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of GST in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GST antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
Recombinant GST (28kDa) and GST-fusion protein (61kDa) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-GST antibody (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Arrows indicate GST and GST-fusion proteins (20ng).

ADDITIONAL INFORMATION

Related Product Information for anti-GST antibody	Glutathione S transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. GST proteins can be purified by immobilized glutathione affinity chromatography. Many recombinant proteins have been engineered with GST tags to facilitate the detection, isolation and purification of these proteins. Monoclonal antibody reacting specifically with GST may be useful in various immunotechnique, to identify the expression of a GST fusion protein in bacteria, bacterial lysates or cells and tissues transfected with a GST fusion protein expressing vectors
Product Categories/Family for anti-GST antibody	Protein Marker
References	Smith, D., et al., Proc. Natl. Acad. Sci. USA, 83, 8703 (1986).; Cartwright, G., et al., J. Immunol. Meth., 179, 31 (1995).; Hibma, M., et al., Nucl. Ac. Res., 22, 3806 (1994).

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.