



Anti-GST (MOUSE) Monoclonal Antibody - 200-301-200

Code: 200-301-200

Size: 500 µg

Product Description: Anti-GST (MOUSE) Monoclonal Antibody - 200-301-200

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Mouse
Species Reactivity	C-terminal, N-terminal, and internal tagged GST fusion proteins
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store anti-GST at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	GST, Glutathione-S-Transferase, Anti-GST monoclonal antibody
Application Note	Suitable for most immunological techniques requiring high titer binding and lot-to-lot consistency
Background	Rockland produces a wide range of GST antibodies in our laboratories. Select GST antibodies from several monoclonal and/or polyclonal GST antibodies listed below. Select appropriate GST antibodies for your research by isotype, epitope, applications and species reactivity. GST (Glutathione-S-Transferase) is a protein expression tag commonly used in molecular biology. Anti-GST will react with synthetic construct present in most known GST containing cloning or expression vectors. GST is responsible for the conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. The amino acid sequence GST is highly conserved in most organisms including mammals. GST exists as a 26 kDa homodimer.
Purity And Specificity	GST monoclonal antibody is a protein A purified mouse monoclonal which reacts specifically with GST. Cross reactivity against Glutathione-S-Transferase from other sources may occur but has not been specifically determined.
Assay Dilutions	User Optimized
ELISA	1:50,000 - 1:150,000
Immunohistochemistry	User Optimized
WESTERN BLOT	1:1,000 - 1:10,000
IHC	User Optimized
OTHER ASSAYS	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	A BALB/c mouse was immunized with Glutathione-S-Transferase [Schistosoma japonicum].
General Reference	<p>Epstein, Alan L. and Clevenger, Charles V.: Identification of nuclear antigens in human cells by immunofluorescence, immunoelectron microscopy, and immunobiochemical methods using monoclonal antibodies. In : Progress in Nonhistone Protein Research, Vol. 1, Isaac Bekhor, ed., 1985, CRC Press, Boca Raton, FL, pp. 117-137.</p> <p>Smith D.B., Davern K.M., Board P.G., Tiu W.U., Garcia E.G., Mitchell G.F. (1986) Mr 26,000 antigen of Schistosoma japonicum recognized by resistant WEHI 129/J mice is a parasite glutathione S-transferase. Proc. Natl. Acad. Sci. U.S.A. 83:8703-8707.</p>

Related Products

200-301-268	Anti-AKT pS473 (MOUSE) Monoclonal Antibody - 200-301-268
610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302

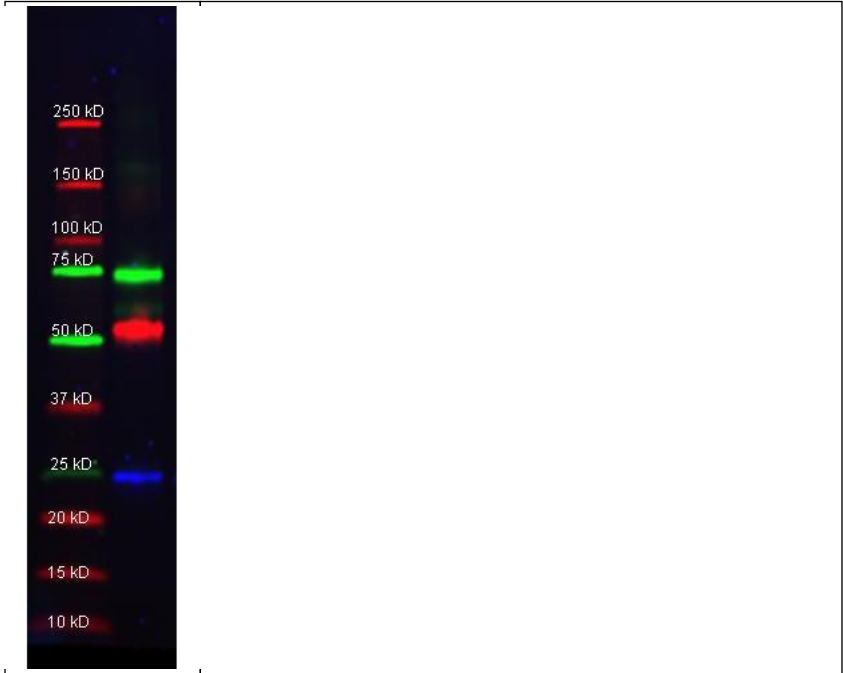
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304

Related Links

Images

1

Western Blot of Mouse-anti-GST antibody. Lane 1: molecular weight. Lane 2: Mouse-anti-GST monoclonal antibody (blue), Rabbit anti-Transferrin, and Goat-anti-Alpha-1-Anti-Trypsin were used in a multiplex system to detect target proteins under reducing conditions in albumin depleted human serum with 320 ng of added GST. Load: 1 µg per lane.Primary antibody: Each primary antibody at 1:1000 for overnight at 4°C.Secondary antibody: DyLight549 Donkey anti-Rabbit IgG (green) DyLight 488 Donkey anti-Mouse IgG (blue), and DyLight 649 Donkey anti-Goat IgG (red) secondary antibody at 1:10,000 for 30 min at RT.Block: MB-070 overnight at 4°C.



2

Western Blot of anti-GST antibody. Lane 1: GST recombinant protein. Lane 2: lysate of HeLa cells expressing recombinant GST protein. Load: 0.1 µg per lane.Primary antibody: GST antibody at 1.0µg/ml for 1 h at room temperature.Secondary antibody: IRDye800™ goat anti-mouse secondary antibody at 1:5,000 for 45 min at RT.Block: 5% BLOTTO overnight at 4°C.Other band(s): none.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.