beta Galactosidase antibody (FITC)

Cat. No. GTX26641

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF
Reactivity	E. coli

Package
1 mg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:10000
ICC/IF	1:500-1:2500

Not tested in other applications.

Properties

Form	Liquid
Buffer	20mM Potassium Phosphate, 150mM NaCl, 1% BSA
Preservative	0.01% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles. Protect from light.
Concentration	5 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Beta Galactosidase (E. coli)
Purification	IgG fraction This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.
Conjugation	Fluorescein isothiocyanate (FITC) Wavelength Ratio : 3.5 molecules FITC per Rabbit IgG molecule.
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

For full product information, images and publications, please visit our website.

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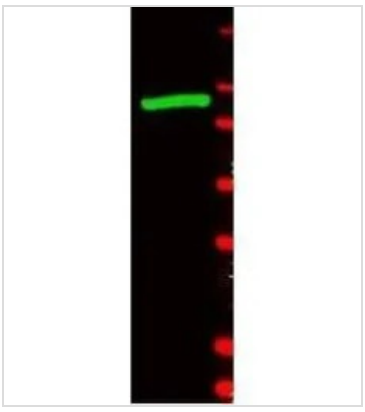
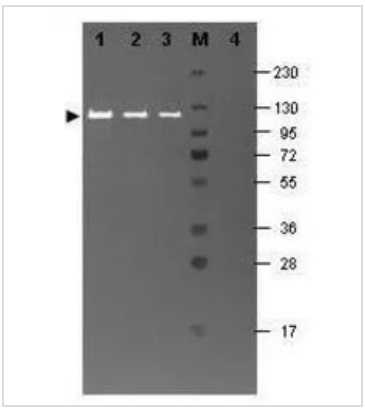
DATA IMAGES



GTX26641 WB Image

Western blot using GeneTex anti-beta Galactosidase antibody (GTX26641) shows detection of a band at ~117 kDa (lane 1) corresponding to b-Gal present in a partially purified preparation (arrowhead). Approximately 1µg of protein was resolved on a 4-20% Tris-Glycine gel by SDS-PAGE and transferred onto nitrocellulose. After blocking, the membrane was probed with the primary antibody diluted to 1:1,000. Reaction occurred overnight at 4º C followed by washes and reaction with a 1:10,000 dilution of IRDyeR 800 conjugated Gt-a-Rabbit IgG (H&L) MX10 for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers in lane M (700 nm channel, red). IRDye 800 fluorescence image was captured using the Odyssey Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



GTX26641 WB Image

Western blotting using GeneTex Fluorescein conjugated anti-b-Galactosidase antibody (GTX26641) shows a band at ~117 kDa (lanes 1 - 3) corresponding to 60 ng, 30 ng and 15 ng, respectively of b-Gal present in partially purified preparations (arrowhead). Lane 4 shows no cross reactivity with proteins present in a non-specific control E.coli lysate. Proteins were resolved on a 4-20% Tris-Glycine gel by SDS-PAGE and transferred to nitrocellulose and blocking using Blocking Buffer for Fluorescent Western Blotting. The membrane was probed with fluorescein conjugated anti-b-Galactosidase (GTX26641) diluted to 1:10,000. Reaction occurred for 2 hours at room temperature. Molecular weight estimation was made by comparison to a prestained MW marker in lane M.Fluorescence image was captured using the VersaDoc Imaging System developed by BIO-RAD. Other detection systems will yield similar results.

GTX26641 WB Image

Western blotting using GeneTex anti-beta-Galactosidase antibody (GTX26641). Lane 1 shows 80 ng and lane 2 shows 20 ng loaded onto gel. Results for non-reducing conditions of SDS-PAGE prior to transfer to nitrocellulose are shown on the left side of the figure; results obtainined under reducing conditions are shown on the right. Blots were blocked overnight at 4º C with Blocking Buffer for Fluorescent Western Blotting. The membrane was probed with anti-b-Galactosidase diluted to 1:10,000. Reaction occurred overnight at 4ºC. Dylight649™ conjugated Gt-a-anti-Rabbit IgG was used for detection. Molecular weight estimation was made by comparison to a prestained MW marker (center).in lane M. Fluorescence image was captured using the VersaDoc Imaging System developed by BIO-RAD. Other detection systems will yield similar results.

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