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Product datasheet for R1064FS

lacZ Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	This product is designed for fluorescent Western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. *Recommended Dilutions:* **Western blot**: 1/10,000. **IF microscopy**: 1/500-1/2,500.
Reactivity:	Escherichia coli
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Beta-galactosidase from E.coli
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum as well as purified and partially purified beta galactosidase (E.coli).
Formulation:	0.02M Potassium phosphate, 0.15M Sodium chloride, pH 7.2 Label: FITC State: Purified State: Lyophilized purified IgG fraction Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free) Preservative: 0.01% (w/v) Sodium azide Label: Fluorescein isothiocyanate (molecular weight 390 daltons) Absorption emission: 495 nm / 528 nm Molar radio: 3.5 moles FITC per mole of IgG
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Multi-step process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	FITC

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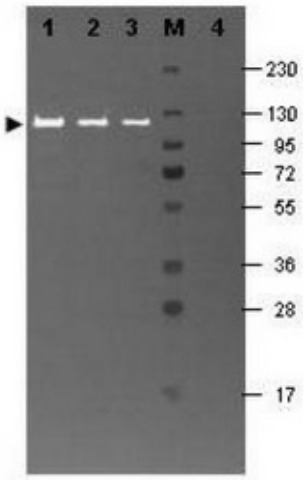
Storage: Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Database Link: P00722

Synonyms: Beta-Gal tag, lacZ tag, b0344, JW0335, Beta-Gal Fusion Protein, Lactase

Product images:



Western blotting using fluorescein conjugated anti-Beta-galactosidase tag antibody 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 bluorescent Western blotting. The membrane was probed with Fluorescein conjugated anti-Beta-galactosidase. [R1064F] diluted to 1/10,000. Reaction occurred for 2 hours at RT. Molecular weight estimation was made by comparison to a prestained MW marker in lane M. Fluorescence image was captured using the VersaDoc® imaging system. Other detection systems will yield similar results.