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Anti-BETA GALACTOSIDASE (E.coli) (RABBIT) Antibody Fluorescein Conjugated

Beta Galactosidase Antibody Fluorescein Conjugated
Catalog # ASR4628

Specification

Anti-BETA GALACTOSIDASE (E.coli) (RABBIT) Antibody Fluorescein Conjugated - Product Information

Host	**Rabbit**
Conjugate	**Fluorescein (FITC)**
FP Value	**3.5**
Clonality	**Polyclonal**
Application	**WB, I, LCI**
Application Note	**Anti-Beta Galactosidase Fluorescein Conjugated Antibody has been tested by western blot and is designed for fluorescent western blotting, also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.**
Physical State	**Lyophilized**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Beta Galactosidase (E. coli)**
Reconstitution Volume	**1.0 mL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Stabilizer	**10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-BETA GALACTOSIDASE (E.coli) (RABBIT) Antibody Fluorescein Conjugated - Additional Information

Gene ID 945006

Purity
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. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-fluorescein, anti-Rabbit Serum and purified and partially purified Beta Galactosidase (E. coli).

Storage Condition
Store vial antibody at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. 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.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

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Anti-BETA GALACTOSIDASE (E.coli) (RABBIT) Antibody Fluorescein Conjugated - Protein Information

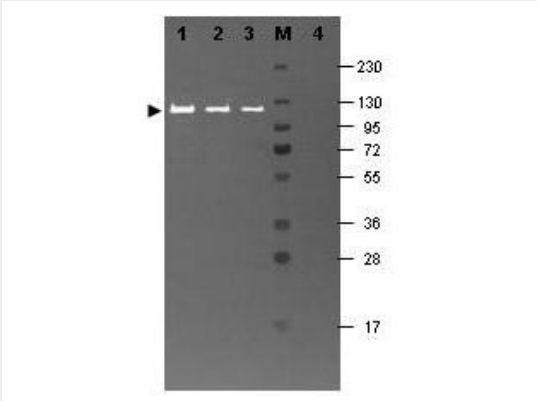
Name lacZ

Anti-BETA GALACTOSIDASE (E.coli) (RABBIT) Antibody Fluorescein Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-BETA GALACTOSIDASE (E.coli) (RABBIT) Antibody Fluorescein Conjugated - Images



Western blotting using Rockland's Fluorescein conjugated anti-b-Galactosidase 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 Fluorescent Western Blotting (p/n MB-070). The membrane was probed with fluorescein conjugated anti-b-Galactosidase (p/n 200-4236) 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.

Anti-BETA GALACTOSIDASE (E.coli) (RABBIT) Antibody Fluorescein Conjugated - Background

Anti Beta Galactosidase Antibody recognizes the enzyme beta galactosidase, or β-galactosidase, that is a component of assays used frequently in genetics, molecular biology (see X-gal) for a blue white screen, and other life sciences. IPTG induces production of β-galactosidase by binding and inhibiting the lac repressor. Since it is highly expressed and accumulated in lysosomes in senescent cells, it is used as a senescence biomarker both in vivo and in vitro in qualitative and quantitative

assays, despite its limitations. Anti-beta Galactosidase Antibody is ideal for investigators involved in enzyme research.