

**Anti-BETA GALACTOSIDASE (E.coli) (RABBIT) Antibody Fluorescein Conjugated**  
**Beta Galactosidase Antibody Fluorescein Conjugated**  
**Catalog # ASR4496****Specification****Anti-BETA GALACTOSIDASE (E.coli) (RABBIT) Antibody Fluorescein Conjugated - Product Information**

Host	Rabbit
Conjugate	Fluorescein (FITC)
FP Value	2.3
Clonality	Polyclonal
Application	WB, I, LCI
Application Note	Anti-Beta Galactosidase Fluorescein Conjugated Antibody has been tested by dot bot and western blot and is designed for fluorescent western blotting and immunofluorescence. This product is 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	100 µL
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**

Anti-Beta Galactosidase 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.

## **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 Cytometry](#)
- [Cell Culture](#)

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

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

Anti Beta Galactosidase Antibody recognizes the enzyme beta galactosidase, or  $\beta$ -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  $\beta$ -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.