

**Certificate of Analysis**

**Product:** Fluorescein Conjugated IgG fraction of anti-Beta Galactosidase (*E. coli*) [Rabbit]

**Code:** 200-4236

**Lot #** 19552

**Size:** 10 mg

**Physical State:** Lyophilized

**Antibody Concentration:** 10.0 mg/ml (by UV absorbance at 280 nm)

**Label:** Fluorescein isothiocyanate (FITC) (Molecular Weight 390 daltons)

**Absorption Wavelength:** 495 nm

**Emission Wavelength:** 528 nm

**Fluorochrome/Protein Ratio:** 4.0 moles FITC per mole of Rabbit IgG

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Stabilizer:** 10 mg/ml Bovine Serum Albumin (BSA), IgG and Protease free

**Preservative:** 0.01% (w/v) Sodium Azide

**Application(s):** Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency.

<b>Recommended Dilution(s):</b>	<b>FLOW CYTOMETRY</b>	1:2,000 - 1:10,000
	<b>IF MICROSCOPY</b>	1:500 - 1:2,500
	<b>OTHER APPLICATIONS</b>	User Optimized

**Storage Conditions:** Store vial at 4° C prior to restoration. Restore with 1.0 ml of deionized water (or equivalent). For extended storage, restore with 50% glycerol instead of water and then 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. Expiration date is one (1) year from date of restoration.

**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-Rabbit Serum and purified and partially purified Beta Galactosidase (*E. coli*).

**Immunogen:** Beta Galactosidase (*E. coli*)

**Conjugation Reference:** The and Feltkamp, *Immunology* **18**; 865, 1970.

**USDA Certification:** 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.

**Note:** 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.