

Certificate of Analysis

Product: Biotin Conjugated IgG fraction of anti- β_2 -Microglobulin [Human Urine] [Rabbit]

Code: 200-406-141

Lot # 16348

Size: 500 μ g

Physical State: Lyophilized

Antibody Concentration: 2.0 mg/ml (by UV absorbance at 280 nm)

Label: Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC)

Biotin/Protein Ratio: 10-20 BAC molecules per Rabbit IgG molecule

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): Immunoblotting, ELISA, immunohistochemistry, immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency.

Recommended Dilution(s):	ELISA	1:2,000 - 1:10,000
	WESTERN BLOT	1:1,000 - 1:5,000
	IMMUNOHISTOCHEMISTRY	1:500 - 1:3,000

Storage Conditions: Store vial at 4° C prior to restoration. Restore with 0.25 ml of deionized water (or equivalent). For extended storage mix product with glycerol to 50% 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 and Specificity: 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-Biotin, anti-Rabbit Serum as well as purified and partially purified β_2 -Microglobulin [Human Urine]. Cross reactivity against β_2 -Microglobulin from other sources may occur but has not been specifically determined.

Immunogen: β_2 -Microglobulin [Human Urine]

Conjugation Reference: Bayer & Wilchek *Methods in Enzymology* **184**; 138-160, 1990.

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.