

### Certificate of Analysis

**Product:** Peroxidase Conjugated IgG fraction of anti- $\beta_2$ -Microglobulin (Human Urine) [Rabbit]

**Code:** 200-403-141

**Lot #** 19062

**Size:** 500  $\mu$ g

**Physical State:** Lyophilized

**Antibody Concentration:** 5.0 mg/ml (by UV absorbance at 280 nm)

**Label:** Horseradish Peroxidase (HRP)

**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) Gentamicin Sulfate (Do **NOT** add Sodium Azide.)

**Application(s):** Suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays.

<b>Recommended Dilution(s):</b>	<b>ELISA</b>	1:2,000 - 1:10,000
	<b>WESTERN BLOT</b>	1:500 - 1:2,000
	<b>IMMUNOHISTOCHEMISTRY</b>	1:200 - 1:1,000

**Storage Conditions:** Store vial at 4° C prior to restoration. Restore with 0.1 ml of deionized water (or equivalent). For extended storage, add glycerol to 50% final 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-Peroxidase and anti-Rabbit Serum, as well as purified and partially purified  $\beta_2$ -Microglobulin (Human Urine). Cross reactivity against  $\beta_2$ -Microglobulin from other sources is unknown.

**Immunogen:**  $\beta_2$ -Microglobulin (Human Urine)

**Conjugation Reference:** Farr & Nakane, *J. Immunol. Methods* **47**; 129-144, 1981.

**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.