

**Product Specification Sheet**

**Product:** Peroxidase Conjugated Affinity Purified anti-Sheep IgG [H&L] [Rabbit] Minimum Cross reactivity to Human Serum Proteins

**Code:** 613-4328

**Lot #** 8450

**Size:** 1.0 mg

**Physical State:** Lyophilized

**Antibody Concentration:** 1.0 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

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

<b>Recommended Dilution(s):</b>	<b>ELISA</b>	1:5,000 - 1:22,000
	<b>WESTERN BLOT</b>	1:500 - 1:3,000
	<b>IMMUNOHISTOCHEMISTRY</b>	1:300 - 1:1,500
	<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 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 was prepared from monospecific antiserum by immunoaffinity chromatography using Sheep IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Sheep IgG and Sheep Serum. No reaction was observed against Human Serum Proteins.

**Immunogen:** Sheep IgG whole molecule

**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.