

Product Specification Sheet

Product: Peroxidase Conjugated Affinity Purified anti-KLH (Keyhole Limpet Hemocyanin) [Rabbit]

Code: 600-403-466

Lot # 14832

Size: 100 µl

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.

Recommended Dilution(s): This product has been assayed against 1.0 µg of KLH in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:15,000 to 1:60,000 is suggested for this product. Optimal titers for other applications should be determined by the researcher.

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% 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 KLH 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 and anti-Rabbit Serum.

Immunogen: KLH (Keyhole Limpet Hemocyanin)

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.