

Datasheet for 613-4628

## Sheep IgG (H&L) Secondary Antibody Biotin Conjugated Pre-Adsorbed

### Overview

<b>Description:</b>	Rabbit Anti-Sheep IgG (H&L) Antibody Biotin Conjugated (Min X Human Serum Proteins) - 613-4628
<b>Item No.:</b>	613-4628
<b>Size:</b>	1 mg
<b>Applications:</b>	Dot Blot, ELISA
<b>Reactivity:</b>	Sheep
<b>Host Species:</b>	Rabbit

### Product Details

<b>Background:</b>	When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment. Secondary antibody conjugated to biotin is available in a variety of formats.
<b>Synonyms:</b>	Rabbit Anti-Sheep IgG biotin Conjugated Antibody, Rabbit Anti-Sheep IgG Antibody biotin Conjugation
<b>Host Species:</b>	Rabbit
<b>Specificity:</b>	IgG (H&L)
<b>Conjugate:</b>	Biotin
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG
<b>F/P Ratio:</b>	10-20

### Target Details

<b>Reactivity:</b>	Sheep
<b>Immunogen:</b>	Sheep IgG whole molecule

**Purity/Specificity:** Secondary antibody 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-biotin, anti-Rabbit Serum, Sheep IgG and Sheep Serum. No reaction was observed against Human Serum Proteins.

## Application Details

<b>Tested Applications:</b>	Dot Blot, ELISA
<b>Application Note:</b>	Anti-Sheep IgG Biotin Conjugated Antibody has been tested by ELISA and Dot Blot and is suitable for western blot, ELISA and immunohistochemistry as well as other antibody based assays requiring lot-to-lot consistency.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:20,000 - 1:100,000
<b>IHC:</b>	1:1,000 - 1:5,000
<b>WB:</b>	1:2,000 - 1:10,000

## Formulation

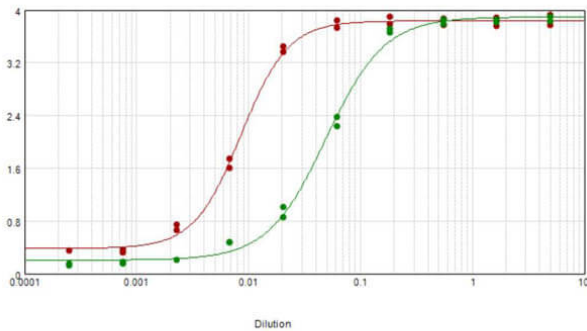
<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	1.0 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Reconstitution Volume:</b>	1.0 mL
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
<b>Storage Condition:</b>	Store secondary antibody at 4° C prior to restoration. For extended storage aliquot antibody 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:** Expiration date is one (1) year from date of receipt.

## Images



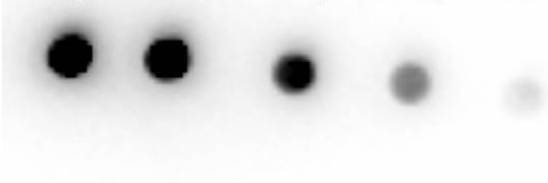
### ELISA

ELISA results of purified Rabbit anti-Sheep IgG biotin conjugated antibody Min X human serum tested against purified Sheep IgG. Each well was coated in duplicate with 1.0  $\mu\text{g}$  of sheep IgG (red line). The starting dilution of antibody was 5  $\mu\text{g}/\text{ml}$  and the X-axis represents the Log<sub>10</sub> of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC<sub>50</sub> is defined as the titer of the antibody. Assay performed using Blocking buffer MB-060-1000, Streptavidin HRP conjugate 1:10,000, and TMB-1000 substrate.

### Dot Blot

Dot Blot of Rabbit Anti-Sheep IgG Biotin Conjugated Antibody Min X human serums. Lane 1: 100ng. Lane 2: 33.3ng. Lane 3: 11.1ng. Lane 4: 3.7ng. Lane 5: 1.23ng. Primary Antibody: Rb-anti-sheep Biotin at 1  $\mu\text{g}/\text{mL}$ . Secondary Antibody: Streptavidin HRP S000-03 at 1:40,000. Blocking Buffer: BlockOut MB-073 for 30 min at RT.

100ng    33.3ng    11.1ng    3.70ng    1.23ng



## Disclaimer

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. 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. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.