

R1456B**Polyclonal Antibody to Sheep IgG [H&L] -Biotin-**

Alternate names:	Sheep Immunoglobulin G
Quantity:	2 mg
Concentration:	2.0 mg/ml (by UV absorbance at 280 nm)
Host:	Rabbit
Immunogen:	Sheep IgG whole molecule
Format:	State: Lyophilized purified IgG fraction Purification: Immunoaffinity chromatography using Sheep IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, with 10 mg/ml Bovine Serum Albumin (BSA, IgG and Protease free) as stabilizer and 0.01% Sodium Azide as preservative Label: Biotin – Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) <i>Molar Ratio:</i> 10-20 BAC molecules per Rabbit IgG molecule Reconstitution: Restore with 1.0 ml of deionized water (or equivalent).
Applications:	Immunoblotting, ELISA, Immunohistochemistry, Immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency. This product has been assayed against 1.0 ug of Sheep IgG in a standard capture ELISA using peroxidase conjugated Streptavidin and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6- sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:80,000 is suggested for this product. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Rabbit Serum, Sheep IgG, and Sheep Serum.
Storage:	Store vial at 2-8°C prior to restoration. Restore with deionized water. Centrifuge product if not completely clear after standing at room temperature. This product is stable for one month at 2-8°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Shelf life: one year from despatch.
General Readings:	Bayer & Wilchek: Methods in Enzymology 184; 138-160, 1990. (Conjugation)