

R1616B**Polyclonal Antibody to Bovine IgG (H+L chain) - Biotin**

Alternate names:	Bovine Immunoglobulin G
Quantity:	2 mg
Concentration:	2.0 mg/ml (before lyophil. by UV absorbance at 280 nm)
Host:	Goat
Immunogen:	Bovine IgG whole molecule.
Format:	State: Lyophilized purified IgG fraction. Purification: Immunoaffinity chromatography. Buffer System: 0.01 M Sodium Phosphate, 0.14 M Sodium Chloride, pH 7.4 containing 0.01% (w/v) Thimerisol as preservative and 10 mg/ml Bovine Serum Albumin (BSA, IgG and Protease free) as stabilizer. Label: Biotin – Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) <i>Molar Ratio:</i> 10-20 BAC molecules per Goat IgG molecule. Reconstitution: Restore with 1.0 ml of deionized water (or equivalent).
Applications:	Suitable for Immunoblotting (1:2,000-1:10,000), ELISA (see below), Immunohistochemistry (1:1000-1:5000), 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 µg of Bovine 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 1:11,000 to 1:45,000 of the reconstitution concentration is suggested for this product. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Bovine 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 antibiotin, anti-Goat Serum, Bovine IgG and Bovine Serum.
Storage:	Store vial at 2-8°C prior to restoration. Restore with 1.0 ml of deionized water (or equivalent). 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. For extended storage reconstitute product with 50% glycerol instead of water and then aliquot contents and freeze at -20°C or below. Dilute only prior to immediate use. Avoid cycles of freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Bayer & Wilchek Methods in Enzymology 184; 138-160, 1990.