

R1305HRP**Polyclonal Antibody to Bovine IgG (Fc specific) - HRP**

Alternate names:	Bovine Immunoglobulin G
Quantity:	1.5 mg
Concentration:	1.5 mg/ml (by UV absorbance at 280 nm)
Host:	Rabbit
Immunogen:	Bovine IgG F(c) fragment
Format:	State: Lyophilized Ig fraction Purification: Immunoaffinity chromatography Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, containing 10 mg/ml Polyethylene Glycol (PEG-8000) as a stabilizer and 0.01% (w/v) Gentamicin Sulfate as a preservative Label: HRP – Horseradish Peroxidase Reconstitution: Restore with 1.0 ml of deionized water or equivalent.
Applications:	Suitable for immunoblotting (western or dot blot 1:1,000 - 1:10,000), ELISA (1:10,000 - 1:50,000=, immunoperoxidase electron microscopy and immunohistochemistry (1:500 - 1;2,500) as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency. This product has been assayed against 1.0 ug of Bovine IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:10,000 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. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Bovine IgG, Bovine IgG F(c) and Bovine Serum. No reaction was observed against Bovine IgG F(ab') ₂ .
Storage:	Store vial at 2-8°C prior to restoration. Restore with 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. Avoid repeated freezing and thawing. Dilute only prior to immediate use. Shelf life: one year from despatch.
General Readings:	(Conjugation) Farr & Nakane, J. Immunol. Methods 47; 129-144. 1981.