

RA109**Goat Goat IgG (Fc Fragment) - Biotin**

Alternate names:	Goat Immunoglobulin G
Quantity:	1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
Species:	Goat
Source:	Serum
Format:	State: Lyophilized purified Ig fraction. Purity: This product was prepared from normal serum delipidation, salt fractionation, ion exchange chromatography followed by papain digestion and extensive dialysis against the buffer stated above. Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml Bovine Serum Albumin (BSA; IgG and Protease free) as stabilizer and 0.01% (w/v) Sodium Azide as preservative. Label: Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) Biotin/Protein Ratio: 10-20 BAC molecules per Goat IgG F(c) 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. Assay by Immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Goat IgG, anti-Goat IgG F(c) and anti-Goat Serum. No reaction was observed against anti-Goat IgG F(ab') ₂ or anti-Papain. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Biotin Conjugated Goat IgG F(c) fragment
Storage:	Store (undiluted) at 2-8°C prior to restoration. For extended storage reconstitute product with 50% glycerol instead of water and then aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Shelf life: one year from despatch. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use.
General Readings:	1. Bayer & Wilchek Methods in Enzymology 184; 138-160, 1990.