

R1399B**F(ab')₂ Fragment of Goat anti-Human IgG, IgA, IgM [H&L]
-Biotin-**

Alternate names:	Human IgA, Human IgG, Human IgM
Quantity:	1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
Host:	Goat
Immunogen:	Human IgG, IgA and IgM whole molecules
Format:	State: Lyophilized F(ab') ₂ fragments Purification: Prepared from polyspecific antiserum by Immunoaffinity Chromatography using antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Buffer System: 0.02M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 10 mg/ml BSA (IgG and Protease free) as stabilizer and 0.01% (w/v) Sodium Azide as preservative. 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:	ELISA: 1/20,000-1/100,000 Western Blot: 1/2,000-1/10,000 Immunohistochemistry: 1/1,000-1/5,000. This product has been assayed against 1.0 µg of Human IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin (<i>Cat. -No</i> RA021HRP) and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6- sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1/10,000 to 1/50,000 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:	Assay by Immunoelectrophoresis resulted in a single precipitin arc against anti-biotin and anti-Goat Serum. No reaction was observed against Mouse Serum proteins. This product is suitable for the detection of all Human immunoglobulin classes, isotypes and chain combinations.
Storage:	Store vial at 2-8°C prior to restoration. For extended storage aliquot contents and freeze at -20°C or below. Centrifuge product if not completely clear after standing at RT. This product is stable for one month at 2-8°C as an undiluted liquid. Avoid repeated freezing and thawing. Dilute only prior to immediate use. Shelf life: one year from despatch.
General Readings:	1. Bayer & Wilchek Methods in Enzymology 184; 138-160, 1990. (Conjugation)