

R1377HRP**Polyclonal Antibody to Rat IgA + IgG + IgM (H+L chain) - HRP**

Quantity:	2 mg
Concentration:	2.0 mg/ml (by UV absorbance at 280 nm)
Background:	<p>Rat IgG IgA IgM (H&L) Antibody detects immunoglobulin G, A, and M from Rat. Immunoglobulin G binds to antigens and can neutralize or opsonize targets, and are predominantly involved in the secondary immune response. Immunoglobulin A (IgA) is an antibody that plays a critical role in mucosal immunity. IgA has two subclasses (IgA1 and IgA2) and can exist in a dimeric form called secretory IgA (sIgA). Immunoglobulin M, or IgM, is a pentamer composed of 5 immunoglobulin molecules linked through their F(c) domain by the J chain.</p>
Host:	Goat
Immunogen:	Rat IgG, IgA, IgM whole molecules
Format:	<p>State: Lyophilized purified IgG fraction Purification: Immunoaffinity Chromatography Buffer System: 0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2 Preservatives: 0.01% (w/v) Thimerosal Stabilizers: 10 mg/ml BSA (IgG and Protease free) Label: HRP – Horseradish Peroxidase. Conjugation Chemistry: Periodate Reconstitution: Restore with 1.0 ml of deionized water (or equivalent).</p>
Applications:	<p>ELISA: 1/100,000. Western blot: 1/500-1/3,000. Immunohistochemistry: 1/500-1/1,500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>This product was prepared from polyspecific antiserum by immunoaffinity chromatography using Rat antigens 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 anti-Peroxidase and anti-Goat Serum. This reagent is suitable for the detection of all Rat immunoglobulin isotypes and chain combinations.</p>
Storage:	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>
Caution:	Do Not Add Sodium Azide
General Readings:	<ol style="list-style-type: none">1. Farr & Nakane, J. Immunol. Methods 47; 129-144. 1981 (Conjugation).2. Janeway CA, Jr. et al. (2001). Immunobiology. (5th ed.)