

R1304AP**Polyclonal Antibody to Bovine IgG (H+L chain) - AP**

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| Alternate names: | Bovine Immunoglobulin G |
| Quantity: | 1 mg |
| Concentration: | 1.0 mg/ml (by UV absorbance at 280 nm) |
| Host: | Rabbit |
| Immunogen: | Bovine IgG whole molecule. |
| Format: | State: Liquid (sterile filtered) purified Ig fraction. Purification: Immunoaffinity chromatography. Buffer System: 0.05M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0 with 0.01% sodium azide as preservative and 10 mg/ml Polyethylene Glycol (PEG-8000) as stabilizer. Label: AP – Alkaline Phosphatase (Calf Intestine) (Molecular Weight 140,000 daltons) |
| Applications: | Suitable for Immunoblotting (Western or Dot blot), ELISA and Immunohistochemistry as well as other phosphatase-antibody based enzymatic assays requiring lot-to-lot consistency. Recommended Dilutions: This product has been assayed against 1.0 ug of Bovine IgG in a standard capture ELISA using pNPP p-nitrophenyl phosphate code as a substrate for 30 minutes at room temperature. A working dilution of 1:1,500 to 1:6,000 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-Alkaline Phosphatase (calf intestine), anti-Rabbit Serum, Bovine and Bovine Serum. |
| Storage: | Store the antibody undiluted at 2-8°C. DO NOT FREEZE! Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity. Dilute only prior to immediate use. Shelf life: one year from despatch. |
| General Readings: | Modified from Avrameas and Ternyrook, Immunochemistry 32; 1175 1971. (Conjugation) |