

Product datasheet for **AP09204TC-N**

Biotin Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC
Recommended Dilution:	Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency.
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Biotin conjugated to Keyhole Limpet Hemocyanin (b-KLH)
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Biotin conjugated IgG and Biotin conjugated Bovine Serum Albumin.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml BSA as stabilizer and 0.01% (w/v) Sodium Azide as preservative Label: TRITC State: Lyophilized purified Ig fraction Label: Tetramethylrhodamine isothiocyanate (Molecular Weight 444 daltons) Absorption emission: 550 nm / 570 nm Molar radio: 5.0 moles TRITC per mole of Goat IgG
Reconstitution Method:	Restore with 1.0 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Immunoaffinity chromatography using Biotin coupled to sepharose beads.
Conjugation:	TRITC
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged protein's biochemical properties. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells. Rockland Immunochemicals produces anti-epitope tag antibodies against many common epitope tags including Myc, GST, GFP, 6X His, MBP, FLAG and HA. Rockland Immunochemicals also produces antibodies to other tags including FITC, Rhodamine (TRITC), DNP and biotin.

Synonyms:

Vitamin B7, Vitamin H