

## Product datasheet for **AP09203TC-N**

### FITC Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC
Recommended Dilution:	Flow Cytometry. Immunofluorescence.
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fluorescein conjugated to Keyhole Limpet Hemocyanin (KLH)
Specificity:	This antibody reacts to Fluorescein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml Bovine Serum Albumin (BSA) as stabilizer and 0.01% (w/v) Sodium Azide as preservative Label: TRITC State: Lyophilized purified Ig Label: Tetramethylrhodamine isothiocyanate (Molecular Weight 444 daltons) Absorption emission: 550 nm / 570 nm Molar ratio: 2.0 moles TRITC per mole of Goat IgG
Reconstitution Method:	Restore with 1,0 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Affinity chromatography
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:**

Fluorescein is a fluorophore commonly used to label proteins - protein-fluorescein conjugates are not usually susceptible to precipitation. In addition to its relatively high absorptivity, excellent fluorescence quantum yield and good water solubility, fluorescein has an excitation maximum of 494 nm that closely matches the 488 nm spectral line of the argon-ion laser, making it an important fluorophore for confocal laser-scanning microscopy and flow cytometry applications. Its fluorescence is pH sensitive and is significantly reduced below pH 7. Fluorescein emits most strongly between 500 and 550 nm, but it has a relatively broad emission spectrum reaching to over 600 nm. Several derivatives of fluorescein are commonly used, including FITC (fluorescein isothiocyanate), carboxylates and succinimidyl esters.

**Synonyms:**

Fluorescein Isothiocyanate