

AP09203BT-N**Polyclonal Antibody to FITC - Biotin****Alternate names:**

Fluorescein Isothiocyanate

Quantity:

1 mg

Concentration:

1.0 mg/ml (by UV absorbance at 280 nm)

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.

Host / Isotype:

Goat / IgG

Immunogen:

Fluorescein conjugated to Goat IgG

Format:**State:** Lyophilized purified Ig**Purification:** Affinity chromatography**Buffer System:** 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:** Biotin – Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC)*Molar Ratio:* 10-20 BAC molecules per Goat IgG molecule**Reconstitution:** Restore with 1.0 ml of deionized water (or equivalent).

For extended storage mix product with 50% glycerol.

Applications:

ELISA: 1/115,000.

Western Blot: 1/1,000 - 1/3,000.

Immunohistochemistry.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts to Fluorescein.

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.

Shelf life: one year from despatch.