

Product datasheet for **AP09428HR-N**

FITC F(ab)2 Fragment Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Suitable for Immunoblotting (Western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. This product is designed for Immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. Recommended Dilutions: ELISA: 1/10,000-1/50,000. Western Blot: 1/2,000-1/5,000. Immunohistochemistry: 1/500-1/2,000.
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fluorescein conjugated to Goat IgG
Specificity:	Prepared from monospecific antiserum by Immunoaffinity Chromatography using Fluorescein coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation Detects Fluorescein F(ab') ₂ . Assay by Immuno-electrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum and Fluorescein conjugated IgG. No reaction was observed against anti-Pepsin or anti-Goat IgG F(c).
Formulation:	0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2 Label: HRP State: Lyophilized purified IgG F(ab') ₂ fraction Stabilizer: 10 mg/ml BSA (IgG and Protease Free) Preservative: 0.01% (w/v) Gentamicin Sulfate Label: Horseradish Peroxidase (Molecular Weight 40,000 daltons)
Reconstitution Method:	Restore with 1.0 ml deionized water (or equivalent)



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Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	HRP
Storage:	Store vial at 2-8°C prior to restoration. Following restoration product can be stored undiluted at 2-8°C for up to one month or (in aliquots) at -20°C or below. Avoid repeated freezing and thawing. Centrifuge product if not completely clear after standing at room temperature.
Stability:	Shelf life: One year from despatch.
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