

AP21427FC-N**Goat IgG Fab anti Human Fab IgG - FITC**

Alternate names:	Human Immunoglobulin G
Quantity:	1 ml
Concentration:	4.7 mg/ml
Host / Isotype:	Goat / IgG
Immunogen:	Purified Fab prepared from normal IgG isolated from pooled Human serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized Fab fragments. Purification: Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt-precipitation and purification of the IgG fraction by DEAE-chromatography. Buffer System: PBS, pH 7.2 without preservatives. Label: FITC – Fluorescein Isothiocyanate <i>Absorption / Emission:</i> 492 nm / 515 nm <i>Molar Ratio:</i> Fluorochrome/IgG = ~1.8 Reconstitution: Restore by adding 1 ml sterile distilled water.
Applications:	Direct staining of fixed cell and tissue substrates, to demonstrate the intracellular presence of free of Ig bound subunits of both kappa and lambda type. The absence of the Fc domain in the conjugate ensures minimal interaction with the tissue components and cell surfaces other than the primary antibody activity. This conjugate is primarily intended for use in cell surface membrane staining procedures, to identify and quantitate Ig on B cells, especially if interference by Fc activity is expected. Recommended Dilutions: 1/20-1/80. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antiserum is reacting with to the Fab subunits of the IgG, IgA, IgM and other Ig classes of both light chain type, with their Fab or F(ab') ₂ subunits and with free immunoglobulin light chains of kappa and lambda type. It does not react with any non-Ig protein in human serum, as tested by immunoelectrophoresis and double radial immunodiffusion. Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this conjugate has not been tested in detail. Species: Human. Other species not tested.

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month
or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.