

Product datasheet for **AP21491FC-N**

Rat IgG2b (subclass specific) Goat Polyclonal Antibody

Product data:

Product Type:	Secondary Antibodies
Product Name:	Rat IgG2b (subclass specific) Goat Polyclonal Antibody
Applications:	ELISA, ID, IF, IHC, IP
Recommended Dilution:	Can be used to identify and measure IgG2b, antigen or antibody, at the cellular and subcellular level by immunofluorescence staining of appropriately treated cell and tissue substrates, and to demonstrate circulating antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen or immune complex using a reference antibody of rat origin in the middle layer of the indirect test procedure. 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. <u>Recommended working dilutions:</u> 1/20 - 1/80.
Reactivity:	Rat
Host:	Goat
Immunogen:	Pools of highly purified homogenous IgG2b isolated from rat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Formulation:	PBS, pH 7.2 without preservatives and foreign proteins Label: FITC State: Lyophilized purified IgG fraction Label: Fluorescein Isothiocyanate <u>Conjugation procedure:</u> A proprietary technique for the binding to is used, followed by several purification steps to remove free reactants and protein aggregates. After each step activity and specificity are tested in a variety of techniques. The conjugate is lyophilized to assure stability and long shelf life Absorption emission: 492 nm / 515 nm Molar ratio: Fluorochrome/IgG: ~1.8
Reconstitution Method:	Restore by adding 1,0 ml sterile distilled water
Concentration:	10,0 mg/ml
Purification:	Immunoaffinity Chromatography



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Conjugation:	FITC
Storage:	Prior to and following reconstitution store the antibody at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Note:	<u>Adsorption</u> : Undesired traces of antibody activity are eliminated by immunoaffinity chromatography as required.