

Product datasheet for **AP21491BT-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, WB
Recommended Dilution:	Can be used in Immunocytochemical and Immunohistochemical staining for the detection of IgG2b at the cellular and subcellular level of appropriately treated cell and tissue substrates; to demonstrate circulating IgG2b antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen using a reference antibody of rat origin known to be of the IgG2b isotype in the middle layer of the indirect test procedure; in non-isotopic assay methodology (e.g. ELISA) to measure IgG2b in rat serum or other body fluids. As a second step an avidin or streptavidin conjugate of the user's choice has to be used 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. <i>Recommended Working Dilutions:</i> Histochemical and Cytochemical Use: 1/100-1/250. ELISA and comparable non-precipitating antibody-binding assays: 1/1000-1/10000.
Reactivity:	Rat
Host:	Goat
Immunogen:	Pools of 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: Biotin State: Lyophilized IgG fraction Molar ratio: Biotin/IgG: ~7.0
Reconstitution Method:	Restore by adding 1.0 ml of sterile distilled water
Concentration:	10,0 mg/ml
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography
Conjugation:	Biotin



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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.

Note:

Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies cross-reacting with other components of the immunoglobulin system or reacting with other serum proteins. Special attention is given to the removal of antibodies to common Ig/Fab. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum..