

Datasheet for ABIN1118499

Goat anti-Mouse IgG2b Antibody (Atto 550)



[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	IgG2b
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Atto 550
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS), Western Blotting (WB), FLISA, Dot Blot (DB), Fluorescence Microscopy (FM)

Product Details

Purpose:	Mouse IgG2b Antibody ATTO 550 Conjugated Pre-adsorbed
Immunogen:	Immunogen: Mouse IgG2b heavy chain Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Minimal crossreactivity against to Bv, Hu, and Rb Serum Proteins Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse Serum and Mouse IgG2b. No reaction was observed against Bovine, Human, and Rabbit Serum Proteins. Specificity was confirmed by ELISA at less than 1 % of target signal.
Characteristics:	Anti-Mouse IgG2a ATTO 550 Antibody generated in goat detects reactivity to Mouse IgG2a (Gamma 2a chain).
Purification:	Anti-MOUSE IgG2b (Gamma 2b chain) Antibody was prepared from monospecific antiserum by

Product Details

immunoaffinity chromatography using antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.

Target Details

Target: IgG2b

Abstract: [IgG2b Products](#)

Target Type: Antibody

Background: Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. IgG2, the second largest of IgG isotypes, comprises almost 25 % of IgG and has a low affinity for binding to the Fc receptor of phagocytic cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.

Application Details

Application Notes: Application Note: Anti-Mouse IgG2b ATTO 550 Antibody has been tested by dot blot and is suitable for ELISA, Immunohistochemistry, western blotting as well as other anti IgG2b antibody based assays. The emission spectra for this ATTO conjugate matches the principle output wavelengths of most common fluorescence instrumentation. ATTO Dye Conjugated Secondary Antibodies are designed for STED microscopy, FRET, 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. Flow Cytometry Dilution: 1:500 - 1:2,500 Immunohistochemistry Dilution: >1:5,000 Western Blot Dilution: >1:10,000 FLISA Dilution: >1:20,000 IF Microscopy Dilution: >1:5,000 Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 500 μ L

Handling

Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free , Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months