

Datasheet for ABIN1118489

Goat anti-Mouse IgG2a Antibody (Atto 655)



[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	IgG2a
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Atto 655
Application:	Flow Cytometry (FACS), Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Purpose:	Mouse IgG2a Antibody ATTO 655 Conjugated Pre-adsorbed
Immunogen:	Immunogen: Mouse IgG2a heavy chain Immunogen Type: Other
Isotype:	IgG
Cross-Reactivity (Details):	Minimal crossreactivity against Bv, Hu, and Rb Serum Proteins Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse Serum and Mouse IgG2a. Specificity was confirmed by ELISA at less than 1 % cross-reactivity against other mouse heavy or light chain isotypes. 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 IgG1 ATTO 655 Antibody generated in goat detects reactivity to Mouse IgG1 (Gamma 1 chain).

Product Details

Purification: MOUSE IgG2a Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.

Target Details

Target: IgG2a

Abstract: [IgG2a 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: Mouse IgG2a secondary antibody is available in a variety of formats. Anti-Mouse IgG2a ATTO 655 Antibody has been tested by western blot and is 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. Anti-Mouse IgG2a secondary antibody is suitable for ELISA, Immunohistochemistry western blotting as well as other anti IgG2a antibody based assays. The emission spectra for this ATTO conjugate matches the principle output wavelengths of most common fluorescence instrumentation. Flow Cytometry Dilution: 1:500 - 1:2,500 Western Blot Dilution: 1:4,000 - 1:20,000 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 µL

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