

Goat IgG anti-Mouse IgG2a (Fc)-ATTO 532, MinX none

General Information

Catalog Number:	SEC-183197	Physical State:	Lyophilized
Quantity:	0,5 mg	Reconstitution Volume:	500 µL
		Reconstitution Buffer:	Restore with deionized water (or equivalent)
		Shipping Conditions:	at room temperature
		Product Expiration	Expiration date is one (1) year from date of opening.

Antibody Host / Format

Host Species:	Goat	Clonality / Isotype / Clone:	polyclonal Ig
Antibody Format:	IgG whole molecule	Concentration:	1.0 mg/mL by UV absorbance at 280 nm
		Conjugation:	ATTO 532
		Maximum Excitation / Emission:	532 nm / 552 nm

Specificity

Target Species:	Mouse	Immunogen:	Mouse IgG2a heavy chain
Antibody Specificity:	IgG2a (IgG Fc gamma 2a)	<p>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. 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.</p> <p>Minimal Cross Reactivity: none</p>	

Formulation, Transport and Storage

Storage Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2	<p>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.</p> <p>Storage Temperature: 4-8°C</p>
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free	
Preservatives:	0.01% (w/v) Sodium Azide	

Application Recommendation

This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.

Manufacturer

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Application: FLISA, Flow Cytometry, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections), Immunohistochemistry (frozen sections), Immunofluorescence, Western Blot

Dilution: FLISA >1:20.000, Flow cytometry 1:500 - 1:2,500, Immunohistochemistry (IHC) >1:5,000, Immunofluorescence >1:5,000, Western Blot (WB) >1:10.000

Application Note:

Mouse IgG2a secondary antibody is available in a variety of formats. ATTO dye conjugated 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. 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.

Background Information

Anti-Mouse IgG2a ATTO 532 Antibody generated in goat detects reactivity to Mouse IgG2a (Gamma 2a chain). 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.

Safety Information

This reagent contains sodium azide (a poisonous and hazardous substance) as preservative. Although this concentration is not regarded as dangerous to health, appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. Standard Laboratory Practices should be followed when handling this material.

Disclaimer

This product is warranted to perform in conformance with product specifications and to be free from defects in material and workmanship. Products are supplied for research use only. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated, this warranty is limited to one year from date of shipment when the product is subjected to normal, proper and intended usage. Buyer's exclusive remedy for non-conforming products during the warranty period is limited to replacement of or refund for the non-conforming product(s). There is no obligation to replace products as the result of accident or disaster or inappropriate use of the products in a manner for which they were not designed, or improper storage and handling of the products.

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