

## Goat IgG anti-Mouse IgG2b (Fc)-ATTO 550, MinX none

### General Information

|                                   |  |
|-----------------------------------|--|
| <b>Catalog Number:</b> SEC-183204 | <b>Physical State:</b> Lyophilized   |
| <b>Quantity:</b> 0,5 mg           | <b>Reconstitution Volume:</b> 500 µL   |
|                                   | <b>Reconstitution Buffer:</b> Restore with deionized water (or equivalent)       |
|                                   | <b>Shipping Conditions:</b> at room temperature                                  |
|                                   | <b>Product Expiration:</b> Expiration date is one (1) year from date of opening. |

### Antibody Host / Format

|  |  |
|--|--|
| <b>Host Species:</b> Goat                  | <b>Clonality / Isotype / Clone:</b> polyclonal Ig          |
| <b>Antibody Format:</b> IgG whole molecule | <b>Concentration:</b> 1.0 mg/mL by UV absorbance at 280 nm |
|  | <b>Conjugation:</b> ATTO 550                               |
|  | <b>Maximum Excitation / Emission:</b> 554 nm / 575 nm      |

### Specificity

|  |  |
|--|--|
| <b>Target Species:</b> Mouse                         | <b>Immunogen:</b> Mouse IgG2b heavy chain  |
| <b>Antibody Specificity:</b> IgG2b (IgG Fc gamma 2b) | Anti-MOUSE IgG2b (Gamma 2b chain) 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 IgG2b. No reaction was observed against Bovine, Human, and Rabbit Serum Proteins. Specificity was confirmed by ELISA at less than 1% of target signal. |
|  | <b>Minimal Cross Reactivity:</b> none  |

### Formulation, Transport and Storage

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

### Application Recommendation

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

#### Manufacturer

**BIOZOL**  
Diagnostica Vertrieb GmbH  
Leipziger Straße 4  
85386 Eching

Phone +49 (89) 3799 666 6  
Fax +49 (89) 3799 666 99  
E-mail info@biozol.de  
www.biozol.de

[www.dianova.com](http://www.dianova.com)

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ID 900019771

**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:**

Anti-Mouse IgG2b secondary antibody 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.

**Background Information**

Anti-Mouse IgG2b ATTO 550 Antibody generated in goat detects reactivity to Mouse IgG2b (Gamma 2b 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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