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## Product Datasheet

### Goat IgG anti-Mouse IgG2a (Fc)-ATTO 425, MinX none DNA-SEC-183184

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Goat IgG anti-Mouse IgG2a (Fc)-ATTO 425, MinX none                                                                                                                                                                                                            |
| Biozol Catalog Number      | DNA-SEC-183184                                                                                                                                                                                                                                                |
| Supplier Catalog Number    | SEC-183184                                                                                                                                                                                                                                                    |
| Alternative Catalog Number | DNA-SEC-183184                                                                                                                                                                                                                                                |
| Manufacturer               | dianova                                                                                                                                                                                                                                                       |
| Host                       | Goat                                                                                                                                                                                                                                                          |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | FLISA,FACS,IF,WB                                                                                                                                                                                                                                              |
| Species Reactivity         | Mouse                                                                                                                                                                                                                                                         |
| Immunogen                  | Mouse IgG2b heavy chain                                                                                                                                                                                                                                       |
| Conjugation                | ATTO 425                                                                                                                                                                                                                                                      |
| Format                     | IgG                                                                                                                                                                                                                                                           |
| Target Specificity         | IgG2a (Fc)                                                                                                                                                                                                                                                    |
| Cross-Adsorption (MinX)    | no cross-adsorbtion                                                                                                                                                                                                                                           |
| Product Description        | Anti-Mouse IgG2b ATTO 425 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 I... |
| Clonality                  | Polyclonal                                                                                                                                                                                                                                                    |

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| Concentration      | 1.0 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype            | Ig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Buffer             | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity             | 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. |
| Form               | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Formula            | 20 mM K3PO4,150 mM NaCl,pH 7,2,lyophilisate,0,01% NaN3                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Target             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Antibody Type      | Secondary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Application Dilute | FLISA Dilution: >1:20,000, Flow Cytometry Dilution: 1:500 - 1:2,500, Fluorochrome Protein Value: 2.4, IF Microscopy Dilution: >1:5,000, Western Blot Dilution: 1:4,000 - 1:20,000                                                                                                                                                                                                                                                                                                                                |
| Application Notes  | Mouse IgG2b secondary antibody is available in a variety of formats. ATTO 425 conjugations 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. The emission spectra for this ATTO conjugate matches the principle output wavelengths of most common fluorescence instrumentation.       |