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Datasheet for ABIN964971

## Rabbit anti-Mouse IgG Antibody (Atto 425) - Preadsorbed

### 1 Image

#### Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Atto 425
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

#### Product Details

Immunogen:	Immunogen: highly purified mouse IgG gamma 1, gamma 2a, gamma 2b and gamma 3 proteins Immunogen Type: Native Protein
Isotype:	IgG
Characteristics:	This product 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.
Purification:	Preadsorption: Solid phase absorption
Sterility:	Sterile filtered
Labeling Ratio:	2.5

## Target Details

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Target:	IgG
Abstract:	<a href="#">IgG Products</a>
Target Type:	Antibody
Background:	<p>Synonyms: rabbit anti-Mouse IgG (gamma 1, 2a, 2b and 3 chain) Antibody ATTO425 conjugation, rabbit anti-Mouse IgG ATTO425 conjugated Antibody</p> <p>Background: Anti-Mouse IgG ATTO425 Antibody generated in rabbit detects reactivity to Mouse IgG1, IgG2a, IgG2b and IgG3. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. IgG1, IgG2a, IgG2b and IgG3 chains of the antibody molecule are present. 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.</p>

## Application Details

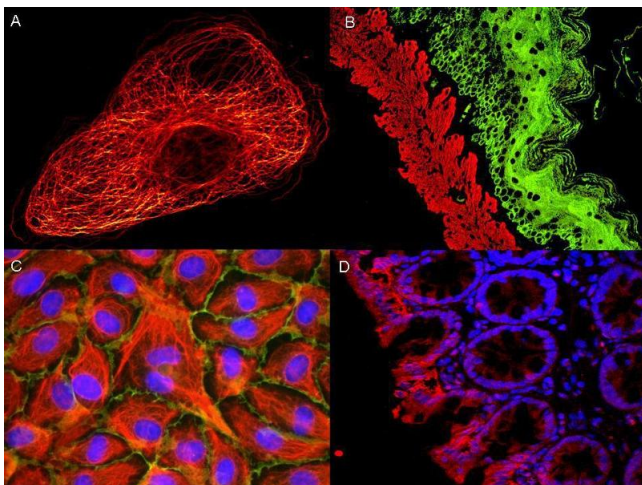
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Application Notes:	<p>Application Note: Mouse IgG subclass pan reactive Secondary Antibody is designed for STED microscopy, FRET, immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. Rabbit anti-mouse IgG antibody ATTO 425 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.</p> <p>FLISA Dilution: &gt;1:20,000</p> <p>Western Blot Dilution: &gt;1:10,000</p> <p>IF Microscopy Dilution: &gt;1:5,000</p>
Comment:	The emission spectra for this ATTO conjugate matches the principle output wavelengths of most common fluorescence instrumentation.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 500 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
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.
Handling Advice:	Avoid cycles of freezing and thawing. Do NOT add Sodium Azide!  Product is photosensitive and should be protected from light.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	Store vial at -20 °C prior to opening. Aliquot contents and freeze at -20 °C or below for extended storage. This product is stable for several weeks at 0 °C as an undiluted liquid.
Expiry Date:	12 months

## Images



### Immunofluorescence

#### Image 1.