Datasheet for ABIN964999

Goat anti-Rat IgG (Heavy & Light Chain) Antibody (Atto 488) - Preadsorbed

4 Images

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Overview

Quantity:	100 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Atto 488
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Rat IgG whole molecule
Isotype:	IgG
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Rat IgG and Rat Serum.
Characteristics:	Anti-Rat IgG (H&L) conjugated to ATTO 488 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. 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

Product Details

	platforms.
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	2.5

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Synonyms: Goat anti-Rat IgG ATTO488 Conjugated Antibody, Goat anti-Rat IgG Antibody ATTO 488 Conjugation Background: Anti-Rat IgG (H&L) conjugated to ATTO 488 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.

Application Details

Application Notes:	Application Note: The emission spectra for this ATTO conjugate matches the principle output wavelengths of most common fluorescence instrumentation. FLISA Dilution: >1:20,000 Western Blot Dilution: >1:10,000 IF Microscopy Dilution: >1:5,000
Comment:	The emission spectra for this ATTO conjugate matches the principle output wavelengths of most common fluorescence instrumentation.
Restrictions:	For Research Use only

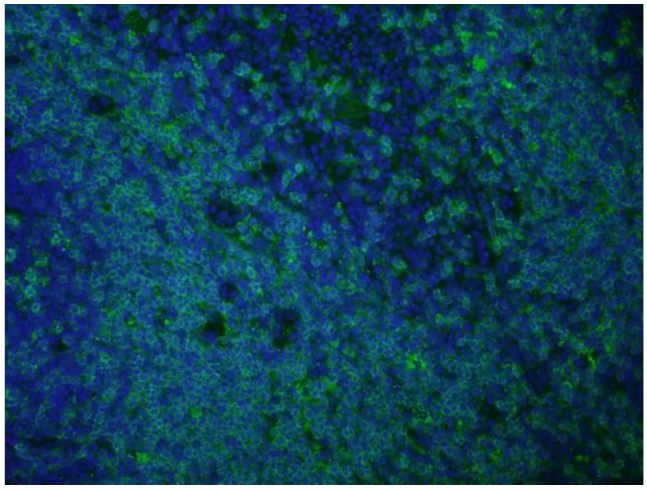
Handling

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

Handling

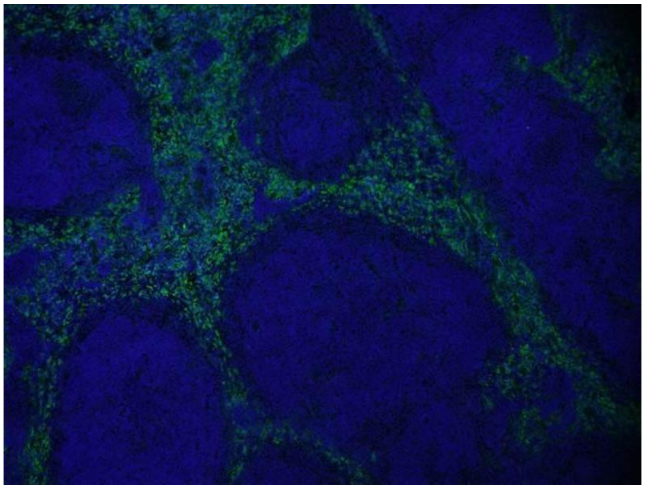
	Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid cycles of freezing and thawing. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Product is photosensitive and should be protected from light.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening. Store the vial at -20 °C or below after dilution.
Expiry Date:	12 months

Images



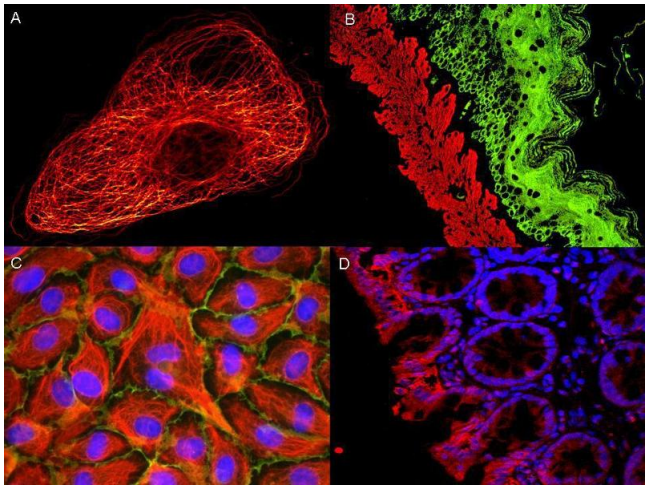
Immunofluorescence

Image 1. Immunofluorescence of anti rat IgG antibody Tissue: Normal mouse spleen Fixation: methanol frozen Antigen retrieval: user optimized Primary antibody: AbD Serotec's Rat anti-mouse CD3 antibody (KT3 clone). (1mg/mll) Secondary antibody: ATTO dye 488 anti-rat IgG () 1:200 dilution) Localization: CD3+ populations throughout the spleen of a normal mouse Staining: antibody as green fluorescent signal with a DAPI blue nuclear counterstain (Rebecca Evans, The University of Pennsylvania School of Medicine)



Immunofluorescence

Image 2. Immunofluorescence of anti rat IgG antibody Tissue: Normal mouse spleen Fixation: user optimized Antigen retrieval: user optimized Primary antibody: rat anti-mouse primary antibody (clone BM8 from eBioscience) against F4/80 (1:100 dilution) Secondary antibody: ATTO dye 488 anti-rat IgG () 1:200 dilution) Localization: macrophage populations throughout the spleen of a normal mouse Staining: antibody as green fluorescent signal with a DAPI blue nuclear counterstain. (Rebecca Evans, The University of Pennsylvania School of Medicine)



Immunofluorescence

Image 3.

Please check the product details page for more images. Overall 4 images are available for ABIN964999.