Datasheet for ABIN965007

Goat anti-Rat IgG (Heavy & Light Chain) Antibody (Atto 647N) - Preadsorbed

Overview

Quantity: 100 μg
Target: IgG
Binding Specificity: Heavy & Light Chain
Reactivity: Rat
Host: Goat
Clonality: Polyclonal
Conjugate: Atto 647N
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 647N 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

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**Purification:**
Preadsorption: Solid phase absorption

**Labeling Ratio:**
1.68

Target Details

**Target:**
IgG

**Abstract:**
IgG Products

**Target Type:**
Antibody

**Background:**
Synonyms: Goat anti-Rat IgG ATTO647N Conjugated Antibody, Goat anti-Rat IgG Antibody ATTO 647N Conjugation

Background: Anti-Rat IgG (H&L) conjugated to ATTO 647N 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.
Product is photosensitive and should be protected from light.
Storage: RT, 4 °C - 20 °C
Storage Comment: Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -24 °C or below. This product is stable for several weeks at 4 °C as an undiluted liquid.
Expiry Date: 12 months

Publications


Images

Immunofluorescence

Image 1.
**Western Blotting**

**Image 2.** Western Blot of Anti-Rat IgG (H&L) (GOAT) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins). Lane M: 3 μl Molecular Ladder. Lane 1: Rat IgG whole molecule. Lane 2: Rat IgG F(c) Fragment. Lane 3: Rat IgG Fab Fragment. Lane 4: Rat IgM Whole Molecule. Lane 5: Rat Serum. All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rat IgG (H&L) (GOAT) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins) 1:1,000 for 60 min at RT. Secondary Antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in ABIN925618 for 30 min at RT. Predicted/Observered Size: 25 and 55 kDa for Rat IgG and Serum, 25 kDa for F(c) and Fab, 78 and 25 kDa for IgM. Rat F(c) migrates slightly higher.