

Datasheet for ABIN1043947

**Rabbit anti-Goat IgG (Heavy & Light Chain) Antibody (Atto 594)
- Preadsorbed**[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Atto 594
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Goat IgG whole molecule
Isotype:	IgG
Specificity:	Goat IgG (H&L) Antibody ATTO 594 Conjugated Pre-Adsorbed Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Goat IgG and Goat Serum.
Characteristics:	<p>Anti- Goat IgG Antibody ATTO 594 Conjugated 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.</p> <p>Anti- Goat IgG Antibody ATTO 594 Conjugated 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</p>

Product Details

imaging, utilizing various commercial platforms.

The antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.

Purification: Preadsorption: Solid phase absorption

Labeling Ratio: 3.2

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: rabbit anti-Goat IgG ATTO 594 Conjugated Antibody, rabbit anti-Goat IgG Antibody ATTO594 Conjugation

Background: Anti-Goat IgG ATTO dye Antibody generated in rabbit detects goat IgG. 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 complement cascade, and opsonization 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. Both heavy and light chains of the antibody molecule are present.

Application Details

Application Notes: Application Note: Anti- Goat IgG Antibody ATTO 594 Conjugated 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. 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

Application Details

most common fluorescence instrumentation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 500 μ L
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

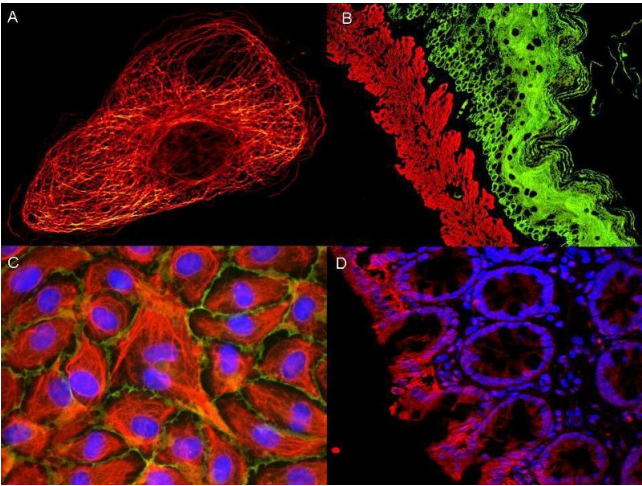
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid cycles of freezing and thawing.
This vial contains a relatively low volume of reagent (25 μ L). To minimize loss of volume dilute 1:10 by adding 225 μ L 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

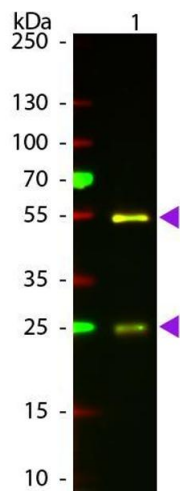
Storage Comment: Store vial at 4 °C prior to opening. This product is stable for several weeks at 4 °C as an undiluted liquid. For extended storage aliquot contents and freeze at -24 °C or below.

Expiry Date: 12 months



Immunofluorescence

Image 1.



Western Blotting

Image 2. Western Blot of Atto 594 Conjugated Rabbit Anti-Goat IgG Pre-Absorbed Secondary Antibody. Lane 1: Goat IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Atto 594 rabbit secondary antibody at 1:1,000 in ABIN925618 for 60 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 28 & 55 kDa, 28 & 55 kDa for Goat IgG. Other band(s): None.