

Datasheet for ABIN6699143

**Goat anti-Rat IgG Antibody (DyLight 488)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	DyLight 488
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

## Product Details

Purpose:	Rat IgG (H&L) Antibody Dylight™ 488 Conjugated
Immunogen:	Rat IgG, whole molecule
Isotype:	IgG
Characteristics:	Goat Anti-Rat IgG DyLight 488™ Conjugated Antibody, Goat Anti-Rat IgG Antibody DyLight 488™ Conjugation,
Labeling Ratio:	5.2

## Target Details

Target:	IgG
Abstract:	<a href="#">IgG Products</a>
Target Type:	Antibody

## Application Details

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Application Notes: FLISA\_Dilution: >1:20,000  
IF\_Microscopy\_Dilution: >1:5,000  
Western\_Blots\_Dilution: >1:10,000  
Other: User Optimized

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Comment: This product is designed for 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. Anti-Rat IgG DyLight™488 has been tested by western blot and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation.  
Suggested Applications: IHC

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: Reconstitution Volume: 100 µL  
Reconstitution Buffer: Restore with deionized water (or equivalent)

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Concentration: 1.0 mg/mL

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Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free, 0.01 % (w/v) Sodium Azide

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Preservative: Sodium azide

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

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Storage: 4 °C, -20 °C

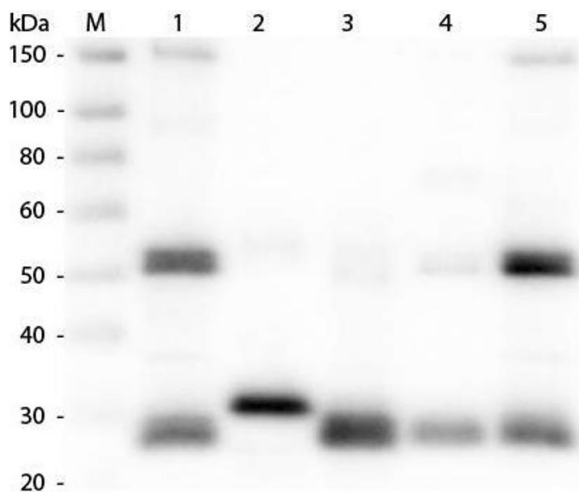
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Storage Comment: Store conjugated secondary antibody at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Conjugated Secondary Antibody is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

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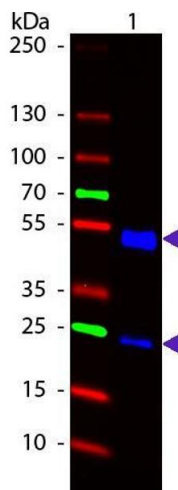
Expiry Date: 12 months

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### Western Blotting

**Image 1.** Western Blot of Anti-Rat IgG (H&L) (GOAT) Antibody. Lane M: 3  $\mu$ l 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 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/Obsevered 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.



### Western Blotting

**Image 2.** Western Blot of 488 conjugated Goat Anti-Rat IgG secondary antibody. Lane 1: Rat IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: 488 goat secondary antibody at 1:1,000 for 60 min at RT. Block: ABIN925618 for 30 min t RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Rat IgG. Other band(s): None.