

Datasheet for ABIN101770

Goat anti-Mouse IgG (Heavy & Light Chain) Antibody (Texas Red (TR)) - Preadsorbed



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1 Image

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Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Texas Red (TR)
Application:	Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Mouse IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	<p>Mouse IgG (H&L) Antibody Texas Red™ Conjugated Pre-Adsorbed antibodies are 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.</p> <p>Concentration Definition: by UV absorbance at 280 nm</p>
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	3.9

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	<p>Synonyms: Goat Anti Mouse IgG (H&L) Texas Red™ Conjugated Antibody Pre-Adsorbed, Goat Anti-Mouse IgG Antibody Texas Red™ Conjugation</p> <p>Background: Anti-Mouse IgG Texas Red Antibody generated in goat detects reactivity to Mouse 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 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. Both the Heavy and Light 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

Application Notes:	<p>Application Note: Mouse IgG (H&L) Antibody Texas Red™ Conjugated Pre-Adsorbed antibodies are 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.</p> <p>FLISA Dilution: 1:10,000 - 1:50,000</p> <p>Flow Cytometry Dilution: 1:500 - 1:2,500</p> <p>IF Microscopy Dilution: 1:1,000 - 1:5,000</p>
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Comment:	Texas Red™ is a registered trademark of Molecular Probes Inc.
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 1.0 mL Reconstitution Buffer: Restore with deionized water (or equivalent)

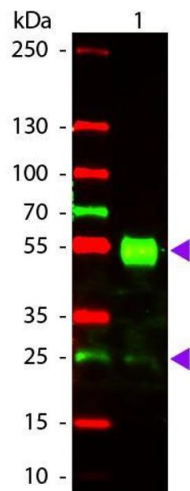
Handling

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:	Product is photosensitive and should be protected from light.
Storage:	RT, 4 °C, -20 °C
Expiry Date:	12 months

Publications

Product cited in:	<p>Cong, Gong, Yang, Xia, Zhang: "miR-22 Suppresses Tumor Invasion and Metastasis in Colorectal Cancer by Targeting NLRP3." in: Cancer management and research, Vol. 12, pp. 5419-5429, (2020) (PubMed).</p> <p>Nuwer, Fleck: "Anterograde trafficking signals in GABAA subunits are required for functional expression." in: Channels (Austin, Tex.), Vol. 13, Issue 1, pp. 440-454, (2020) (PubMed).</p> <p>Agrawal, Lehtonen, Uusi-Mäkelä, Jain, Viitala, Määttä, Kähkönen, Azizi, Riihimäki, Kulomaa, Johnson, Hytönen, Airene: "Molecular features of steroid-binding antidins and their use for assaying serum progesterone." in: PLoS ONE, Vol. 14, Issue 2, pp. e0212339, (2019) (PubMed).</p> <p>Shrestha, Ahn, Staples, Sathyan, Karpova, Foltz, Basrai: "Mislocalization of centromeric histone H3 variant CENP-A contributes to chromosomal instability (CIN) in human cells." in: Oncotarget, Vol. 8, Issue 29, pp. 46781-46800, (2018) (PubMed).</p> <p>Millonig, Ganzleben, Peccerella, Casanovas, Brodziak-Jarosz, Breitkopf-Heinlein, Dick, Seitz, Muckenthaler, Mueller: "Sustained submicromolar H2O2 levels induce hepcidin via signal transducer and activator of transcription 3 (STAT3)." in: The Journal of biological chemistry, Vol. 287, Issue 44, pp. 37472-82, (2013) (PubMed).</p>
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There are more publications referencing this product on: [Product page](#)



Western Blotting

Image 1. Western Blot of Goat anti-Mouse IgG Texas Red Conjugated Antibody. Lane 1: Mouse IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Texas Red goat secondary antibody at 1:1,000 for 60 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 28 & 55 kDa, 28 & 55 kDa for Mouse IgG. Other band(s): None.