Datasheet for ABIN101738

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

2 Images

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Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM), Immunoprecipitation (IP), Lateral Flow (LF)

Product Details

Immunogen:	Immunogen: Anti-Mouse IgG whole molecule was produced by repeated immunization with Mouse IgG whole molecule in goat. Immunogen Type: Native Protein
Isotype:	IgG
Specificity:	IgG (H&L)
Cross-Reactivity:	Mouse (Murine)
Characteristics:	Anti-Mouse IgG whole molecule antibody generated in goat detects specifically Mouse IgG whole molecule. This secondary antibody anti-Mouse is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays. Concentration Definition: by UV absorbance at 280 nm

Product Details

Purification:	Preadsorption: Solid phase absorption
Sterility:	Sterile filtered

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Synonyms: Goat anti-Mouse IgG Secondary Antibody, Mouse Secondary Antibody, GAM Antibody, Gt-a-Ms antibody, anti-mouse secondaries Background: Anti-Mouse IgG 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. This unconjugated secondary antibody has been validated and optimized yielding good sensitivity and reproducible results with Rockland's primary antibodies.

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:1,000 - 1:5,000 Application Note: Anti-Mouse IgG affinity purified secondary antibody is generated in goat detects specifically Mouse IgG whole molecule. This anti-Mouse IgG secondary antibody is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays. Specific conditions for reactivity and signal detection should be optimized by the end user. Immunoprecipitation Dilution: Yes FLISA Dilution: Yes ELISA Dilution: 1:25,000

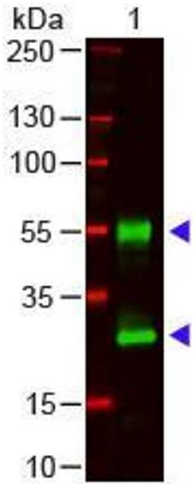
Application Details

	Flow Cytometry Dilution: Yes Western Blot Dilution: 1:3,000 - 1:15,000 IF Microscopy Dilution: Yes
Restrictions:	For Research Use only

Handling

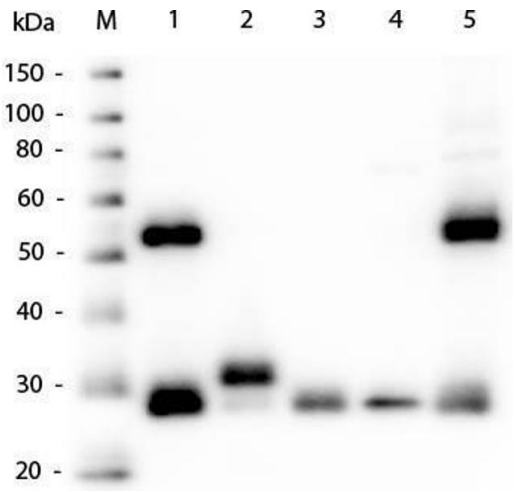
Format:	Liquid
Concentration:	2.1 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western Blot of Goat anti-Mouse IgG (H&L) Antibody. Lane 1: Mouse IgG. Lane 2: None. Load: 100 ng per lane. Primary Antibody: Mouse IgG (H&L) Antibody 1:1000 overnight at 4°C. Secondary antibody: 800 goat secondary antibody at 1:20,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Obsevered Size: 28 and 55 kDa/28 and 55 kDa for Mouse IgG. Other band(s): none.



Western Blotting

Image 2. Western Blot of Goat Anti-Mouse IgG (H&L) Antibody. Lane M: Molecular Ladder. Lane 1: Mouse IgG whole molecule. Lane 2: Mouse IgG F(c) Fragment. Lane 3: Mouse IgG F(ab) Fragment. Lane 4: Mouse IgM Kappa. Lane 5: Mouse Serum. Load: 50ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Mouse IgG (H&L) Antibody 1:1000 for 60 min at RT. Secondary antibody: HRP Donkey Anti-Goat IgG 1:40,000 for 30 min at RT . Predicted/Obsevered Size: 28 and 55 kDa for Mouse IgG, F(c), F(ab), IgM Kappa, and Serum. Mouse F(c) migrates slightly higher.

