Datasheet for ABIN101603

Rabbit anti-Human IgG (Heavy Chain) Antibody (TRITC) - Preadsorbed

1 Image

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Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy Chain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	TRITC
Application:	Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Human IgG gamma heavy chain
Isotype:	IgG
Specificity:	IgG (gamma chain)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	3.1

Target Details

Target:	IgG
Abstract:	IgG Products

Target Details

Target Type:	Antibody
Background:	Synonyms: rabbit anti-Human IgG (gamma chain) rhodamine conjugated Antibody, rabbit anti-Human IgG Antibody TRITC conjugation Background: Anti-Human IgG (gamma chain) Rhodamine generated in rabbit detects human Immunoglobulin G (gamma chain). It is a protein complex composed of four peptide chains - two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75 % of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. 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. Anti-Human IgG (gamma chain) Antibody is ideal for investigators in Immunology, Cancer, and Microbiology research.

Application Details

Application Notes:	Application Note: Anti-Human IgG (gamma chain) Rhodamine 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. FLISA Dilution: 1:10,000 - 1:50,000 Flow Cytometry Dilution: 1:500 - 1:2,500 IF Microscopy Dilution: 1:1,000 - 1:5,000
Restrictions:	For Research Use only

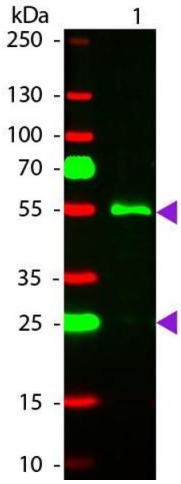
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 1.0 mL 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

Handling

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

Images



Western Blotting

Image 1. Western Blot of Rhodamine conjugated Rabbit anti-Human IgG (gamma chain) secondary antibody. Lane 1: Human IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Rhodamine rabbit secondary antibody at 1:1,000 for 60 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 55 kDa, 55 kDa for Human IgG (gamma chain). Other band(s): none.