Datasheet for ABIN101383

Goat anti-Armenian Hamster IgG (Heavy & Light Chain) Antibody (Texas Red (TR))

2 Images

Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Armenian Hamster
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Texas Red (TR)
Application:	Western Blotting (WB), Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM), Dot Blot (DB)

Product Details

Purpose:	Armenian Hamster IgG (H&L) Secondary Antibody Texas Red™ Conjugated
Immunogen:	Optional[Immunogen]: Armenian Hamster IgG whole molecule
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Armenian Hamster IgG and Armenian Hamster Serum.
Characteristics:	Anti-Armenian Hamster IgG Biotin Antibody generated in goat detects Armenian Hamster IgG.
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Armenian Hamster IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	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 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. 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.

Application Details

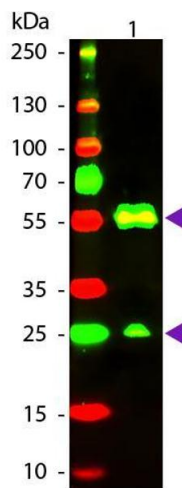|	
Application Notes:	Application Note: Texas Red Anti-Hamster IgG Secondary Antibody has been tested by dot blot and western blot and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. Flow Cytometry Dilution: 1:500 - 1:2,500 FLISA Dilution: 1:10,000 - 1:50,000 IF Microscopy Dilution: 1:1,000 - 1:5,000 Other: FLOW CYTOMETRY 1:500 - 1:2,500
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 1.0 mL
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.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial 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. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images

Western Blotting

Image 1. Western Blot of Texas conjugated Goat Anti-Armenian Hamster IgG secondary antibody. Lane 1: Armenian Hamster IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Texas 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 Armenian Hamster IgG. Other band(s): None.

Dot Blot

Image 2. Dot Blot of Goat anti-Armenian Hamster IgG Antibody Texas Red Conjugated. Antigen: Armenian Hamster IgG. Load: Lane 1 - 200 ng Lane 2 - 66.7 ng Lane 3 - 22.2 ng Lane 4 - 7.41 ng Lane 5 - 2.47 ng. Primary antibody: n/a. Secondary antibody: Goat anti-Armenian Hamster IgG Antibody Texas Red Conjugated at 1:1,000 for 60 min at RT. Block: ABIN925618 for 60 min at RT.