Datasheet for ABIN1044022

Rabbit anti-Guinea Pig IgG (Heavy & Light Chain) Antibody (PE)

1 Image

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Overview

Quantity:	500 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	PE
Application:	Flow Cytometry (FACS), Fluorescence Microscopy (FM), Dot Blot (DB)

Product Details

Purpose:	F(ab')2 Guinea Pig IgG (H&L) Antibody Phycoerythrin conjugated
Immunogen:	Optional[Immunogen]: Guinea Pig IgG whole molecule
Isotype:	IgG
Fragment:	F(ab')2 fragment
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-phycoerythrin, anti-Rabbit Serum, Guinea Pig IgG and Guinea Pig Serum. No reaction was observed against anti-Pepsin or anti-Rabbit IgG F(c).
Characteristics:	F(ab')2 Anti-Guinea Pig IgG Biotin Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment.
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography

Product Details

	using Guinea Pig IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation.

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Because of their smaller size, F(ab)2 fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab)2 fragments penetrate tissue samples and show better antigen recognition and signal generation in IHC. F(ab)2 fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab')2 Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

Application Details

Application Notes:	Application Note: F(ab')2 Anti-Guinea Pig IgG Phycoerythrin Antibody has been tested by dot 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: User Optimized IF Microscopy Dilution: 1:100-1:250
Restrictions:	For Research Use only

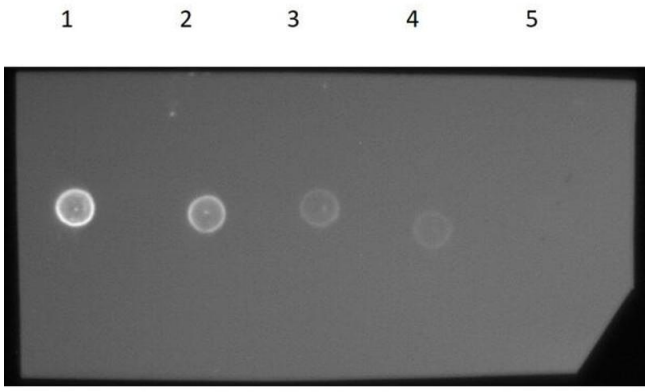
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 1.0 mL
Concentration:	0.5 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

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store vial at 4° C prior to restoration. Restore with deionized water (or equivalent). This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Centrifuge product if not completely clear after standing at room temperature. Do not freeze after reconstitution. Store reagent in the dark. Use subdued lighting during handling and incubation of cells prior to analysis.
Expiry Date:	12 months

Images



Dot Blot

Image 1. Dot Blot Results of F(ab')2 Rabbit Anti-Guinea Pig IgG Antibody Phycoerythrin Conjugated. Guinea Pig IgG Whole Molecule (1) 100 ng, (2) 33.33 ng, (3) 11.11 ng, (4) 3.70 ng, (5) 1.23 ng. Antibody: F(ab')2 Rabbit Anti-Guinea Pig IgG Phycoerythrin Conjugate at 1.0 µg/mL at RT for 1hr. Block: Fluorescent Buffer (p/n MB-073) at RT for 30 mins.