Datasheet for ABIN964854

Rabbit anti-Mouse IgG (Heavy & Light Chain) Antibody

1 Publication

Go to Product page

Overview

Quantity:	20 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Mouse IgG whole molecule
Isotype:	IgG
Fragment:	F(ab')2 fragment
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Mouse IgG and Mouse Serum.
Purification:	This product is a F(ab')2 fragment of IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and pepsin digestion followed by chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Mouse IgG and Mouse Serum. No reaction was observed against anti-Rabbit IgG F(c) or anti-Pepsin.

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Synonyms: Rabbit F(ab')2 Anti-MOUSE IgG Antibody, Rabbit Fab2 Anti Mouse IgG Background: F(ab')2 Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. 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 into 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:	Immunohistochemistry Dilution: 1:1,000 - 1:5,000 Application Note: Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. The maximum amount of reagent required to stain 1 x 10E6 cells in flow cytometry is approximately 1.0 µg of antibody. Lesser amounts of reagent may be sufficient for staining. Optimal titers for other applications should be determined by the researcher. As a general guideline dilutions of 1:100 to 1:250 should be suitable for most applications. ELISA Dilution: 1:20,000 - 1:100,000 Western Blot Dilution: 1:2,000 - 1:10,000
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 2.0 mL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	10.0 mg/mL
Buffer:	Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Handling

	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.
Handling Advice:	Avoid cycles of freezing and thawing. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening. Store the vial at -20 °C or below after dilution.
Expiry Date:	12 months

Publications

Product cited in:	Stamatiades, Tremblay, Bohm, Crozet, Bisht, Kao, Coelho, Fan, Yewdell, Davidson, Heeger, Diebold, Nimmerjahn, Geissmann: "Immune Monitoring of Trans-endothelial Transport by Kidney-Resident Macrophages." in: **Cell**, Vol. 166, Issue 4, pp. 991-1003, (2016) (PubMed).