



Datasheet for ABIN1044014

Rabbit anti-Dog IgG (Heavy & Light Chain) Antibody (Biotin) - Preadsorbed



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1 Image

Overview

Quantity:	500 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Dog IgG whole molecule
Isotype:	IgG
Fragment:	F(ab') ₂ fragment
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum, Dog IgG and Dog Serum.
Purification:	Preadsorption: Solid phase absorption

Target Details

Target:	IgG
Abstract:	IgG Products

Target Details

Target Type:	Antibody
Background:	<p>Synonyms: Rabbit F(ab')₂ Anti-Dog Biotin Conjugated Antibody, Rabbit Fab₂ Anti-Dog Antibody Biotin Conjugation, Rabbit Fab'₂ Anti-Dog Antibody Biotin Conjugation</p> <p>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 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.</p>

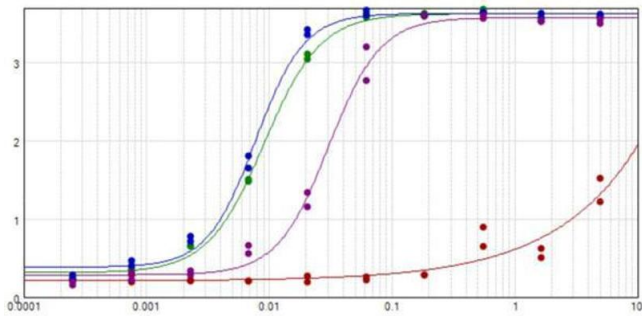
Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 1:1,000-1:5,000</p> <p>Application Note: This product 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.</p> <p>ELISA Dilution: 1:20,000-1:100,000</p> <p>Western Blot Dilution: 1:2,000-1:10,000</p>
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 500 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Handling Advice:	Aliquot to Avoid repeated freezing and thawing.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	Store vial at 4 °C prior to opening. This product is stable for several weeks at 4 °C as an undiluted liquid. For extended storage aliquot contents and freeze at -24 °C or below.
Expiry Date:	12 months



Dot Blot

Image 1. ELISA results of purified Rabbit F(ab')₂ Anti-DOG IgG Antibody Biotin Conjugated tested against purified Dog IgG. Each well was coated in duplicate with 1.0 µg of Dog IgG (Blue Line). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log₁₀ of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC₅₀ is defined as the titer of the antibody. Assay performed using Blocking buffer , Streptavidin-HRP conjugated , and TMB substrate .