



Datasheet for ABIN100938

Rabbit anti-Cow IgG (Fc Region) Antibody - Preadsorbed



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1 Image

Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Cow
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Anti-Bovine IgG F(c) was produced by repeated immunization with bovine IgG F(c) fragment in rabbit. Immunogen Type: Native Protein
Isotype:	IgG
Specificity:	IgG F(c)
Cross-Reactivity:	Cow (Bovine)
Characteristics:	Anti-Bovine IgG F(c) antibody generated in rabbit detects specifically bovine IgG. This secondary antibody anti-Bovine is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays. Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: Solid phase absorption
Sterility:	Sterile filtered

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	<p>Synonyms: rabbit anti-Bovine IgG F(c) Antibody, Rb-a-Bovine IgG F(c), Bovine IgG F(c) Antibody in Rabbit, Rabbit IgG F(c) Secondary Antibody.</p> <p>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 opsinization for phagocytosis. This product possesses the F(c) region, recognized by high-affinity Fc receptor proteins.</p>

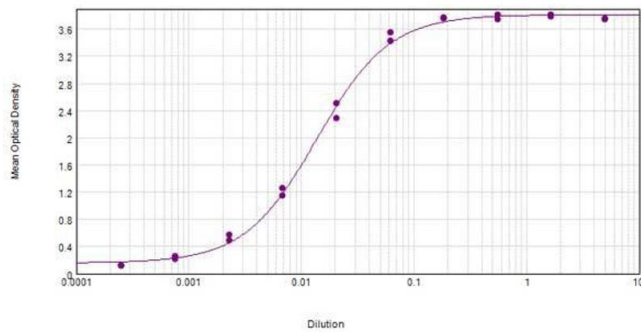
Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 1:1,000 - 1:5,000</p> <p>Application Note: Bovine IgG F(c) Antibody is suitable for immunoblotting (western or dot blot), ELISA, and immunohistochemistry requiring extremely low background levels, lot-to-lot consistency, high titer and specificity.</p> <p>ELISA Dilution: 1:20,000 - 1:100,000</p> <p>Western Blot Dilution: 1:2,000 - 1:10,000</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	2.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: None</p> <p>Preservative: 0.01 % (w/v) Sodium Azide</p>
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

Anti-Bovine IgG F(c) Sensitivity



ELISA

Image 1. ELISA results of purified Rabbit anti-Bovine IgG F(c) Antibody tested against purified Bovine IgG F(c). Each well was coated in duplicate with 1.0 μg of Bovine IgG F(c). The starting dilution of antibody was 5 $\mu\text{g}/\text{ml}$ 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 3% fish gelatin as blocking buffer and TMB substrate p/n TMBE-1000.