

Datasheet for ABIN101334

Rabbit anti-Guinea Pig IgG (Fc Region) Antibody (Alkaline Phosphatase (AP))



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1 Image

Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Alkaline Phosphatase (AP)
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Dot Blot (DB)

Product Details

Purpose:	Guinea Pig IgG Fc Antibody Alkaline Phosphatase Conjugated
Immunogen:	Optional[Immunogen]: Guinea Pig IgG F(c) fragment
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine), anti-Rabbit Serum, Guinea Pig IgG, Guinea Pig IgG F(c) and Guinea Pig Serum. No reaction was observed against Guinea Pig IgG F(ab').
Characteristics:	Anti-Guinea Pig IgG Alkaline Phosphatase Antibody generated in rabbit detects guinea pig IgG.
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Guinea Pig IgG coupled to agarose beads.
Sterility:	Sterile filtered

Target Details

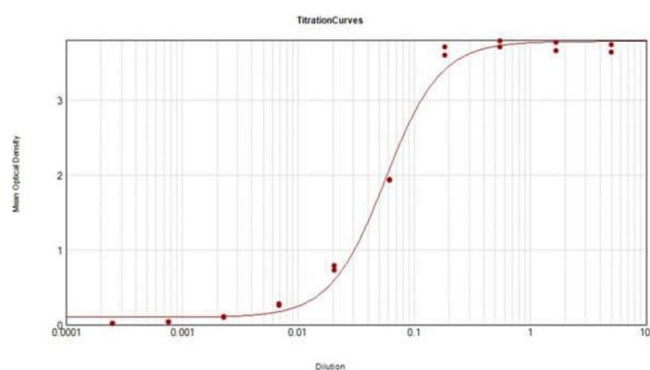
Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Receptors bind the Fc portion of guinea pig IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity.

Application Details

Application Notes:	Application Note: Anti-Guinea Pig IgG F(c) Alkaline Phosphatase conjugate has been tested by ELISA and dot blot and is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot consistency. Immunohistochemistry Dilution: 1:200 - 1:1,000 Western Blot Dilution: 1:500 - 1:2,500 ELISA Dilution: 1:5,000 - 1:15,000 Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50 % (v/v) Glycerol, pH 8.0 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free , Preservative:0.1 % (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.
Storage:	4 °C
Storage Comment:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Expiry Date:	12 months



ELISA

Image 1. ELISA Results of Rabbit Anti-Guinea Pig IgG F(c) Antibody Alkaline Phosphatase Conjugated tested against purified Guinea Pig IgG F(c) Alk Phos. Each well was coated in duplicate with 1.0 µg of Guinea Pig IgG F(c) (p/n 006-0103). The working dilution is 1:18,000. The starting dilution of antibody was 5 µg/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 Alkaline Phosphatase ELISA Substrate Buffer (p/n NPP-10) and NPP Working Buffer (p/n NPP-B500).