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Datasheet for ABIN5596963

anti-R-Phycoerythrin antibody (Alkaline Phosphatase (AP))

1 Publication

Overview

Quantity:	1 mg
Target:	R-Phycoerythrin
Reactivity:	Please inquire
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This R-Phycoerythrin antibody is conjugated to Alkaline Phosphatase (AP)
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: This affinity purified antibody was prepared from whole goat serum produced by repeated immunizations with highly purified R-Phycoerythrin from the seaweed gracilaria. Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	This antibody will cross react with B-Phycoerythrin. Reactivity with other phycobiliproteins is unknown.
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using a R-Phycoerythrin coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum and R-Phycoerythrin conjugated IgG.

Target Details

Target:	R-Phycoerythrin
Alternative Name:	R-Phycoerythrin (R-Phycoerythrin Products)
Target Type:	Chemical
Background:	Synonyms: ALP, Alk Phos

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:200 - 1:1,000 Application Note: Suitable for immunoblotting (western or dot blot), ELISA and immunohistochemistry as well as other phosphatase-antibody based enzymatic assays requiring lot-to-lot consistency. R-Phycoerythrin (240 kDa) is a labile molecule that may dissociate into components upon exposure to reducing or denaturing agents. Reaction with low molecular fragments is typically noted by western blot. Western Blot Dilution: 1:500 - 1:2,500 ELISA Dilution: 1:2,000 - 1:10,000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1.1 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:	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

Publications

Product cited in: Jackson-Thompson, Kim, Jaiswal, Scott, Jones, Morris, Fite, Laurie, Hoy, Dardzinski, Mitre: "Brugia malayi infection in ferrets - A small mammal model of lymphatic filariasis." in: **PLoS neglected tropical diseases**, Vol. 12, Issue 3, pp. e0006334, (2018) ([PubMed](#)).