Datasheet for ABIN5608079

Goat anti-Ferret IgA Antibody (Alkaline Phosphatase (AP))

2 Images

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Overview

Quantity:	1 mg
Target:	IgA
Reactivity:	Ferret
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Alkaline Phosphatase (AP)
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Purpose:	Ferret IgA (alpha chain) Antibody Alkaline Phosphatase Conjugated
Immunogen:	Optional[Immunogen]: Ferret IgA alpha heavy chain
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine), anti-Goat Serum, Ferret IgA and Ferret Serum. Specificity was confirmed by ELISA at less than 1 % cross reactivity against other Ferret heavy or light chain isotypes.
Characteristics:	Anti-Ferret IgG IgA IgM Peroxidase Antibody generated in goat detects immunoglobulin G, A, and M from ferret. Immunoglobulin G binds to antigens and can neutralize or opsonize targets, and are predominantly involved in the secondary immune response. Immunoglobulin A (IgA) is an antibody that plays a critical role in mucosal immunity. IgA has two subclasses (IgA1 and IgA2) and can exist in a dimeric form called secretory IgA (sIgA). Immunoglobulin M, or IgM, is a

Product Details

	pentamer composed of 5 immunoglobulin molecules linked through their F(c) domain by the J chain.
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Ferret IgA coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.
Sterility:	Sterile filtered

Target Details

Target:	IgA
Abstract:	IgA Products
Target Type:	Antibody
Background:	Anti-Ferret IgA Alkaline Phosphatase Antibody generated in goat detects immunoglobulin A from ferret. Immunoglobulin A (IgA) is an antibody that plays a critical role in mucosal immunity. IgA has two subclasses (IgA1 and IgA2) and can exist in a dimeric form called secretory IgA (sIgA).

Application Details

Application Notes:	Application Note: Anti-Ferret IgA Alk Phos conjugate 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 - 1:3,000 ELISA Dilution: 1:2,000 - 1:10,000 Other: User Optimized
Restrictions:	For Research Use only

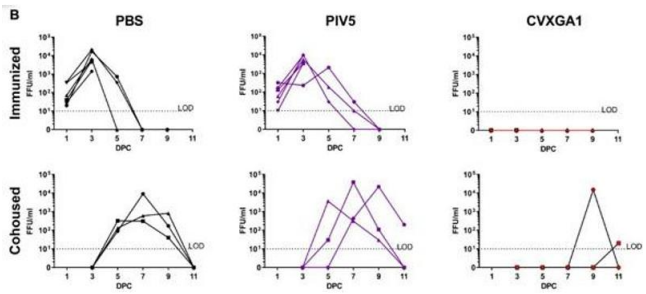
Handling

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

Handling

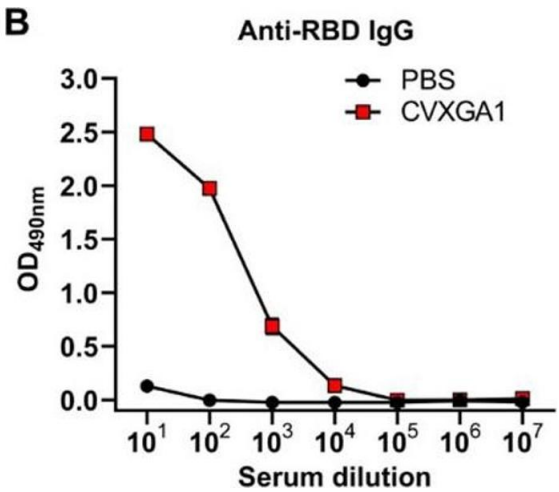
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Expiry Date:	12 months

Images



ELISA

Image 1. Efficacy of transmission block by CVXGA1 immunization in ferrets. (B) Detection of SARS-CoV-2 at 1, 3, 5, 7, 9, and 11 dpc in nasal washes. Live virus was detected using FFA (FFU per milliliter) as described in Materials and Methods. Each symbol represents a different animal. The limit of detection is indicated by the lowest dashed line. Fig 7. PMID: 34215591.



ELISA

Image 2. Immunogenicity of CVXGA1 in ferrets. (B) Anti-RBD serum IgG in ferrets after immunization. Serum anti-RBD IgG titers were evaluated via ELISA. Titers of 28 dpi are shown. Error bars represent the SEM. Fig 5. PMID: 34215591.