

Datasheet for 618-105-006**Ferret IgA (alpha chain) Antibody Alkaline Phosphatase Conjugated****Overview**

Description:	Goat Anti-Ferret IgA (alpha chain) Antibody Alkaline Phosphatase Conjugated - 618-105-006
Item No.:	618-105-006
Size:	1 mg
Applications:	ELISA
Reactivity:	Ferret
Host Species:	Goat

Product Details

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).
Synonyms:	goat anti-Ferret IgA (alpha chain) Antibody alkaline phosphatase Conjugation, goat anti-Ferret IgA alpha alk phos Conjugated Antibody
Host Species:	Goat
Specificity:	IgA
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Ferret
Immunogen:	Ferret IgA alpha heavy chain

Purity/Specificity:	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. 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.
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Application Details

Suggested Applications:	ELISA (Based on references)
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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:2,000 - 1:10,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:3,000

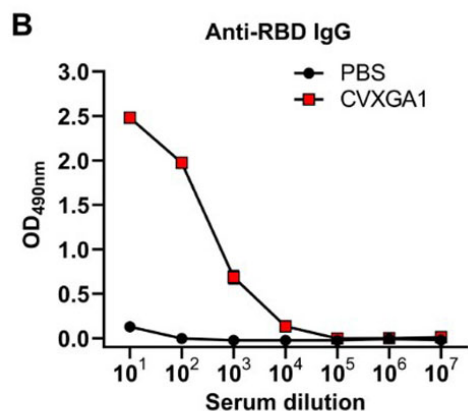
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
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
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

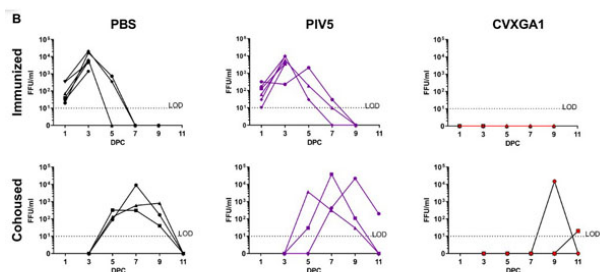
Immunogenicity of CVXGA1 in ferrets.

(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.

ELISA

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.



References

- An D et al. Protection of K18-hACE2 mice and ferrets against SARS-CoV-2 challenge by a single-dose mucosal immunization with a parainfluenza virus 5-based COVID-19 vaccine. *Sci Adv.* (2021)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.