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Datasheet for 618-103-006

Ferret IgA (alpha chain) Antibody Peroxidase Conjugated

Overview

Description:	Goat Anti-Ferret IgA (alpha chain) Antibody Peroxidase Conjugated - 618-103-006
Item No.:	618-103-006
Size:	1 mg
Applications:	ELISA
Reactivity:	Ferret
Host Species:	Goat

Product Details

Background:	Anti-Ferret IgA Peroxidase 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). Anti-Ferret IgA (alpha chain) Antibody is ideal for investigators in Cancer, Immunology, and Microbiology research.
Synonyms:	goat anti-Ferret IgA (alpha chain) Antibody peroxidase Conjugation, goat anti-Ferret IgA alpha HRP Conjugated Antibody
Host Species:	Goat
Specificity:	IgA
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Ferret
Immunogen:	Anti-Ferret IgA was produced by repeated immunization with ferret IgA alpha heavy chain in goat.

Purity/Specificity:	Anti-Ferret IgA (alpha chain) Antibody 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-Peroxidase, 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.

Application Details

Suggested Applications:	ELISA (Based on references)
Application Note:	Anti-Ferret IgA Peroxidase 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. Ferret IgA (alpha chain) antibody has been assayed against 1.0 ug of Ferret IgA in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:8,000 of the reconstitution concentration is suggested for Anti-Ferret IgA (alpha chain) Antibody.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:50,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:5,000

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Thimerosal
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient

Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

References

- Si L et al. Generation of a live attenuated influenza A vaccine by proteolysis targeting. *Nat Biotechnol.* (2022)

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