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Datasheet for 618-105-012

Ferret IgG (gamma chain) Antibody Alkaline Phosphatase Conjugated

Overview

Description:	Goat Anti-Ferret IgG (gamma chain) Antibody Alkaline Phosphatase Conjugated - 618-105-012
Item No.:	618-105-012
Size:	1 mg
Reactivity:	Ferret
Host Species:	Goat

Product Details

Background:	Anti-Ferret IgG Alkaline Phosphatase antibody generated in goat detects ferret IgG. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present.
Synonyms:	goat anti-Ferret IgG Antibody alkaline phosphatase Conjugation, goat anti-Ferret IgG alk phos Conjugated Antibody
Host Species:	Goat
Specificity:	IgG (gamma chain)
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Ferret
Immunogen:	Ferret IgG gamma heavy chain

Purity/Specificity:	Anti-Ferret IgG (gamma chain) was prepared from monospecific antiserum by immunoaffinity chromatography using antigens 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 IgG and Ferret Serum. No reaction was observed against Ferret IgA or Ferret IgM. Specificity was confirmed by ELISA at less than 1% cross reactivity against other Ferret heavy or light chain isotypes.

Application Details

Application Note:	Anti-Ferret IgG (gamma chain) antibody is suitable for ELISA, Western Blot and Immunohistochemistry. Antibody should be optimized by end user for reactive conditions.
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 - 1:2,500

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:	0.01% (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.

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