

Datasheet for 618-105-007**Ferret IgM (mu chain) Antibody Alkaline Phosphatase Conjugated****Overview**

Description:	Goat Anti-Ferret IgM (mu chain) Antibody Alkaline Phosphatase Conjugated - 618-105-007
Item No.:	618-105-007
Size:	1 mg
Reactivity:	Ferret
Host Species:	Goat

Product Details

Background:	Anti-Ferret IgM antibody specifically detects ferret IgM. Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together, the approximate molecular weight of IgM is 900kDa and possesses 10 binding sites (though due to the size of most antigens, not all sites are capable of binding at once). Due to this large size, IgM is typically isolated to the serum. Anti-Ferret IgM antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology.
Synonyms:	goat anti-Ferret IgM mu chain Antibody alkaline phosphatase conjugation, goat anti-ferret IgM mu alk phos conjugated antibody
Host Species:	Goat
Specificity:	IgM μ chain
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Ferret
Immunogen:	Ferret IgM whole molecule

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Ferret IgM 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 IgM and Ferret Serum. No reaction was observed against other ferret heavy or light chain proteins.
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Application Details

Application Note:	Anti-Ferret IgM 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:	1:1,000 - 1:2,500
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,500

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.1 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.

Disclaimer

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