

Datasheet for 618-101-130**Ferret IgG IgA IgM (H&L) Antibody****Overview**

Description:	Goat Anti-Ferret IgG IgA IgM (H&L) Antibody - 618-101-130
Item No.:	618-101-130
Size:	1 mg
Applications:	ELISA, Other
Reactivity:	Ferret
Host Species:	Goat

Product Details

Background:	Anti-Ferret IgG IgA IgM 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 pentamer composed of 5 immunoglobulin molecules linked through their F(c) domain by the J chain.
Synonyms:	goat anti-Ferret IgG IgA IgM Antibody, goat anti-ferret GAM
Host Species:	Goat
Specificity:	IgG IgA IgM
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Ferret
Immunogen:	Ferret IgG IgA and IgM whole molecules

Purity/Specificity:	This product was prepared from polyspecific 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-Goat Serum. This product is suitable for the detection of all Ferret immunoglobulin classes, isotypes and chain combinations.
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Application Details

Suggested Applications:	ELISA, Other (Based on references)
Application Note:	Anti-Ferret IgG IgA IgM antibody is suitable for ELISA, western blot, and immunohistochemistry, as well as other 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:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

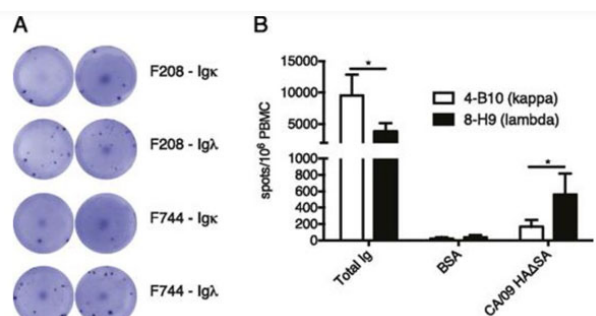
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.125 M Sodium Borate, 0.075 M Sodium Chloride, 0.005 M EDTA, pH 8.0
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

Enumeration of influenza-elicited ASCs. Ferret PBMCs harvested in day 8 postinfection with CA/09 were assessed for Ab production by ELISPOT. (A) Representative ELISPOT wells coated with goat anti-ferret IgA, IgG, IgM revealing κ (Igκ) or λ (Igλ) ASCs producing CA/09 HAΔSA-reactive Ab; n = 2, 218,500 viable cells plated into representative wells. (B) Frequency of cells secreting total or Ag-specific (BSA or CA/09 HAΔSA) Ab utilizing a κ or λ L chain are presented as the mean (± SD) (n = 4). Statistical significance was assessed using the paired t test. (A and B) Data were generated in a single experiment and are representative of three independent experiments. *p < 0.05. Fig 8. PMID: 29079697.

References

- Kirchenbaum GA, Allen JD, Layman TS, Sautto GA, Ross TM. Infection of Ferrets with Influenza Virus Elicits a Light Chain-Biased Antibody Response against Hemagglutinin. *J Immunol.* (2017)

Disclaimer

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