

Datasheet for 618-103-130

Ferret IgG IgA IgM (H&L) Antibody Peroxidase Conjugated**Overview**

Description:	Goat Anti-Ferret IgG IgA IgM (H&L) Antibody Peroxidase Conjugated - 618-103-130
Item No.:	618-103-130
Size:	1 mg
Applications:	Other
Reactivity:	Ferret
Host Species:	Goat

Product Details

Background:	Anti-Ferret IgG IgA IgM Peroxidase 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 peroxidase conjugation, goat anti-ferret IgGAM HRP conjugated antibody
Host Species:	Goat
Specificity:	IgG IgA IgM
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Ferret
Immunogen Type:	Native Protein

Immunogen:	Anti-Ferret IgG IgA and IgM whole molecule was produced by repeated immunization with Ferret IgG IgA and IgM whole molecules in goat.
Purity/Specificity:	This product was prepared from polyspecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Ferret IgG, Ferret IgA and Ferret IgM. This reagent is suitable for the detection of all Ferret immunoglobulin subclasses and chain combinations.

Application Details

Suggested Applications:	Other (Based on references)
Application Note:	Anti-Ferret IgG IgA and IgM whole molecule antibody is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
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

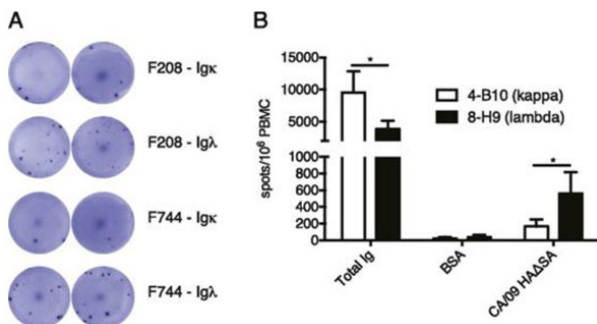
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Thimerosal
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution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

Shipping & Handling

Shipping Condition:	Ambient
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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.

Images



ELISA

ELISpot results using Goat Anti-Ferret HRP.

Enumeration of influenza-elicited ASCs. Ferret PBMCs harvested in day 8 post infection with CA/09 were assessed for Ab production by ELISpot. (A) Representative ELISpot wells revealing κ (Igκ) or λ (Igλ) ASCs producing CA/09 HAΔSA–reactive Ab; n = 2, 18,500 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

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.