Datasheet for ABIN5608111

Goat anti-Ferret IgA, IgG, IgM Antibody (FITC)

3 Images

Go to Product page

Overview

Quantity:	1 mg
Target:	IgA, IgG, IgM
Reactivity:	Ferret
Host:	Goat
Clonality:	Polyclonal
Conjugate:	FITC
Application:	Flow Cytometry (FACS), Fluorescence Microscopy (FM), FLISA

Product Details

Purpose:	Ferret IgG IgA IgM (H&L) Antibody Fluorescein Conjugated
Immunogen:	Optional[Immunogen]: Ferret IgG IgA and IgM whole molecules
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Goat Serum, Ferret IgG, Ferret IgA and Ferret IgM. This reagent is suitable for the detection of all Ferret isotypes and chain combinations.
Characteristics:	Anti-Ferret IgG Fluorescein Antibody generated in goat detects ferret IgG.
Purification:	This product was prepared from polyspecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads.

Target Details

Target:	IgA, IgG, IgM

Target Details

Alternative Name:	IgG,IgA,IgM (IgA, IgG, IgM Products)
Target Type:	Antibody
Background:	Anti-Ferret IgG IgA IgM Fluorescein 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.

Application Details

Application Notes:	Application Note: This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. Flow Cytometry Dilution: 1:500 - 1:2,500 FLISA Dilution: 1:10,000 - 1:50,000 IF Microscopy Dilution: 1:1,000 - 1:5,000 Other: FLOW CYTOMETRY 1:500 - 1:2,500
Restrictions:	For Research Use only

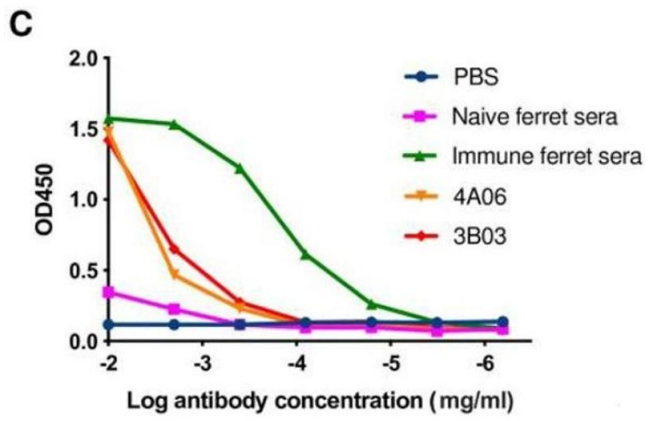
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 1.0 mL
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free , Preservative:0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20°

Handling

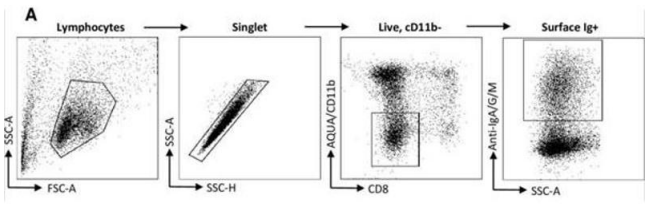
	C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



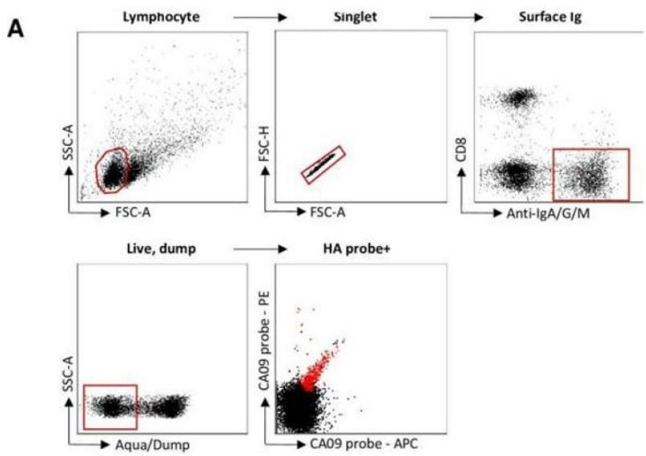
ELISA

Image 1. Recovery and expression of ferret immunoglobulins from HA-specific B cells. (C) Binding of fully-ferret monoclonal antibodies to A/California/09/2009 HA protein was measured by ELISA. Ferret monoclonal antibodies 4A06 and 3B03 or serum samples from immunologically naive ferrets (naive serum) or ferrets infected with 1000 TCID50 A/California/04/2009 (immune serum) (28 d.p.i) were serially diluted in PBS to detect A/California/04/2009 HA binding. 1x PBS was included as a negative control (no ab control). Fig 6. PMID: 32470013.



Flow Cytometry

Image 2. Genetic features of recovered ferret heavy chain immunoglobulin sequences. (A) Gating scheme for sorting single ferret Bcells for PCR recovery of recombined immunoglobulin genes. Fig 3. PMID: 32470013.



Flow Cytometry

Image 3. Recovery and expression of ferret immunoglobulins from HA-specific B cells. (A) Gating scheme for flow cytometric sorting of single B cells from lymph node suspensions from ferrets infected with A/California/04/2009. Cells binding recombinant HA probes (red) were sorted into 96-well plates for multiplex PCR amplification of heavy and light chain immunoglobulin sequences. Fig 6. PMID: 32470013.