Datasheet for ABIN135569

anti-MHC Class II antibody (PE)

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Overview

Quantity:	0.1 mg
Target:	MHC Class II (MHC2)
Reactivity:	Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MHC Class II antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Unknown
Clone:	2G11
Isotype:	IgG1
Specificity:	Chicken/Pigeon/Caiman MHC Class II β-chain, Mr 30-42 kDa
Characteristics:	Mouse Anti-Chicken MHC Class II-PE
Purification:	The antibody is affinity-purified from rabbit antiserum by affinity chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide is removed by chromatogramphy using non-phosphopeptide corresponding to the phosphorylation site.

Target Details

Target:	MHC Class II (MHC2)

Target Details

Alternative Name:	MHC Class II (MHC2 Products)
Background:	The chicken major histocompatibility complex (MHC), or B complex, consists of several clusters of highly polymorphic genes. Like their mammalian counterparts, the avian MHC exerts genetic influence over a variety of important biological functions such as immune response, disease resistance, growth and development, aging, and reproduction. Chicken MHC Class II genes, also known as the B-L subregion, of the chicken MHC encode cell surface glycoproteins that are homologous to mammalian Class II antigens. B-L antigens structurally are similar to mammalian Class II molecules in that they are noncovalently bound dimmers of one 32-34 kDa heavy chain and one 27-30 kDa light chain. MHC Class II is primarily expressed on B cells and antigen presenting cells (APCs).

Application Details

Application Notes:	• **Applications:** FC - Quality tested , IHC-FS - Reported in literature , EM - Reported in literature , IP - Reported in literature , Purification - Reported in literature • **Working Dilutions:** Flow Cytometry Purified (UNLB) antibody 1 g/106 cells FITC, BIOT, and AF488 conjugates 1 g/106 cells PE conjugate 0.2 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L
Sample Volume:	1 mL
Restrictions:	For Research Use only

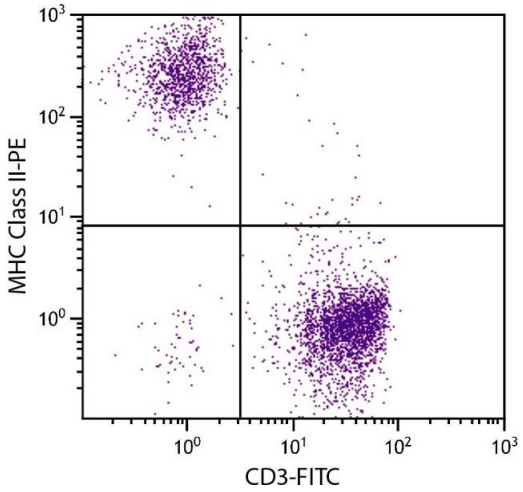
Handling

Concentration:	0.1 mg/mL
Buffer:	0.1 mg in 1.0 mL of PBS/Sodium azide and a stabilizing agent
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze!** **Protect conjugated products from light.** Each reagent is stable for the period shown on the bottle label if stored as directed.
Storage:	4 °C
Storage Comment:	Store at 2-8°C

Publications

Product cited in:	Mucksová, Plachý, Staněk, Hejnar, Kalina, Benešová, Trefil: "Cytokine response to the RSV antigen delivered by dendritic cell-directed vaccination in congenic chicken lines." in: **Veterinary research**, Vol. 48, Issue 1, pp. 18, (2017) (PubMed).

Images



Flow Cytometry

Image 1. Chicken peripheral blood lymphocytes were stained with Mouse Anti-Chicken MHC Class II-PE.