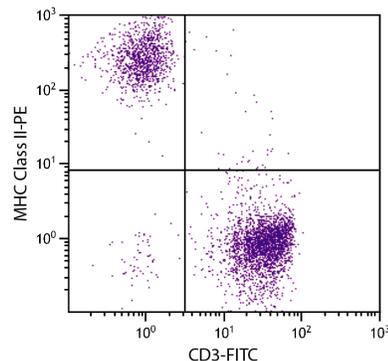




Mouse Anti-Chicken MHC Class II

Cat. No.	Format	Size
8350-01	Purified (UNLB)	0.5 mg
8350-02	Fluorescein (FITC)	0.5 mg
8350-08	Biotin (BIOT)	0.5 mg
8350-09	R-phycoerythrin (PE)	0.1 mg
8350-30	Alexa Fluor® 488 (AF488)	0.1 mg



Chicken peripheral blood lymphocytes were stained with Mouse Anti-Chicken MHC Class II-PE (SB Cat. No. 8350-09) and Mouse Anti-Chicken CD3-FITC (SB Cat. No. 8200-02).

Overview

Clone	2G11
Isotype	Mouse IgG ₁ κ
Immunogen	Unknown
Specificity	Chicken/Pigeon/Caiman MHC Class II β-chain; Mr 30-42 kDa
Alternate Name(s)	B-L

Description

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 are structurally similar to mammalian Class II molecules in that they are noncovalently bound dimers of one heavy chain and one light chain. MHC Class II is primarily expressed on B cells and antigen presenting cells (APCs).

Applications

FC – Quality tested ^{1,4,6-19}
 IHC-FS – Reported in literature ^{1,4,20}
 EM – Reported in literature ⁵
 IP – Reported in literature ^{1,2}
 Purification – Reported in literature ³

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	≤ 1 μg/10 ⁶ cells
	FITC, BIOT, and AF488 conjugates	≤ 1 μg/10 ⁶ cells
	PE conjugate	≤ 0.2 μg/10 ⁶ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL	

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor 488 (AF488) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

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