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Datasheet for ABIN7278610

anti-MHC II (I-A/I-E) antibody (Biotin)

1 Image

Overview

Quantity:	100 µg
Target:	MHC II (I-A/I-E)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This MHC II (I-A/I-E) antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Clone:	M5-114-15-2
Isotype:	IgG2b kappa
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted biotin removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	MHC II (I-A/I-E)
Alternative Name:	MHC Class II (I-A/I-E) (MHC II (I-A/I-E) Products)
Background:	The M5/114.15.2 antibody reacts with mouse MHC Class II alloantigens I-Ab, I-Ad, I-Aq, I-Ed, and I-Ek, as well as being cross-reactive with mouse cells of H-2p and H-2r haplotype. MHC

Target Details

Class II is widely expressed by mouse immune cells bearing these alloantigens, including T and B cells, monocytes, macrophages, and dendritic cells. The antibody does not react with the following alloantigens: I-Af, I-Ak, I-As, or NOD H-2g7. The M5/114.15.2 antibody may be used for analysis of mouse cells expressing MHC Class II alloantigens as described. Please note that the M5/114.15.2 clone may also be referred to as M5/114 in the literature.

Gene ID: 14961, 14969

UniProt: [P14483](#)

Application Details

Application Notes: This antibody preparation has been quality-tested for flow cytometry using an appropriate cell type (as indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

Comment: 0.5 mg/mL

Restrictions: For Research Use only

Handling

Buffer: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09 % Sodium azide, pH 7.2

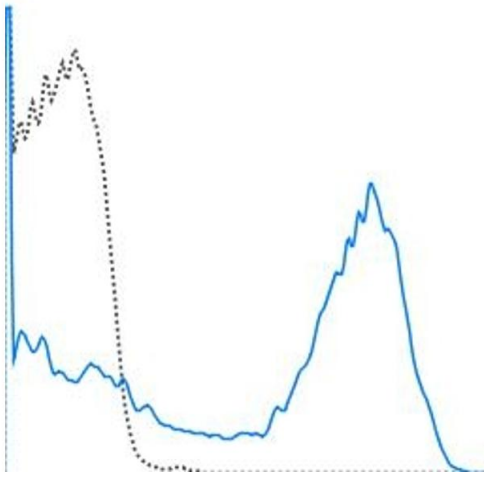
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: 2-8°C protected from light

Expiry Date: 12 months



Flow Cytometry

Image 1. C57Bl/6 splenocytes were stained with 0.125 µg Biotin Anti-Mouse MHC Class II (ABIN6961347) (solid line) or 0.125 µg Biotin Rat IgG2b isotype control (dashed line), followed by Streptavidin PE.