

For Research Use Only

APC Anti-Mouse MHC Class II (I-A/I-E) (M5/114.15.2)



Catalog Number: APC-65122

1 Publications

Basic Information

Catalog Number: APC-65122	GenBank Accession Number: BC031711	Purification Method: Affinity purification
Size: 100ug , 0.2 mg/ml	GeneID (NCBI): 14960	CloneNo.: M5/114.15.2
Source: Rat	Full Name: histocompatibility 2, class II antigen	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG2b, kappa	A, alpha	

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
Mouse

Cited Species:
mouse

Background Information

Major histocompatibility complex (MHC) class II molecules are heterodimeric transmembrane glycoproteins that are expressed on the surface of antigen-presenting cells such as dendritic cells, macrophages, and B cells. The M5/114.15.2 antibody detects polymorphic determinants present on B cells, monocytes, macrophages, dendritic cells, and activated T lymphocytes from mice carrying the H-2b, H-2d, H-2q, H-2p, H-2r and H-2u haplotypes but not from mice carrying the H-2s or H-2f haplotypes (PMID: 6170707). This antibody recognizes both I-A and I-E subregion-encoded Ia glycoproteins (I-Ab, I-Ad, I-Aq, I-Ed, I-Ek, not I-Af, I-Ak, or I-As). M5/114 mAb is reported to inhibit I-A subregion-restricted T cell responses of the H-2b, H-2d, H-2q, H-2u but not the H-2f, H-2k, H-2s haplotypes (PMID: 6173436).

Notable Publications

Author	Pubmed ID	Journal	Application
Chuyu Xi	38201837	Nutrients	FC

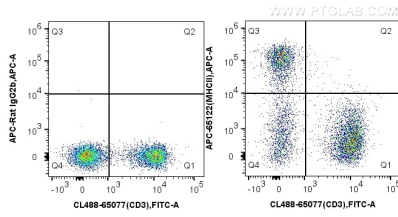
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

For technical support and original validation data for this product please contact:
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Selected Validation Data



1X10⁶ BALB/c mouse splenocytes were surface stained with CoraLite®488 Anti-Mouse CD3 (CL488-65077, Clone: 17A2) and 0.06 ug APC-rat IgG2b isotype control (left) or 0.06 ug APC Anti-Mouse MHC Class II (I-A/I-E) (APC-65122, Clone:M5/114.15.2). Cells were not fixed.