

For Research Use Only

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



Catalog Number: 65122-1-Ig **2 Publications**

Basic Information

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|--------------------------------------|--|--|
| Catalog Number: 65122-1-Ig | GenBank Accession Number: BC031711 | Purification Method: Affinity purification |
| Size: 100ug, 0.5 mg/ml | GeneID (NCBI): 14960 | CloneNo.: M5/114.15.2 |
| Source: Rat | UNIPROT ID: P14434 | |
| Isotype: IgG2b, kappa | Full Name: histocompatibility 2, class II antigen A, alpha | |

Applications

Tested Applications:
FC

Cited Applications:
IF

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 |
|-------------|-----------|---------------------|-------------|
| Yuwei Zhang | 35219165 | Int Immunopharmacol | IF |
| Dan Liang | 38228231 | J Ethnopharmacol | IF |

Storage

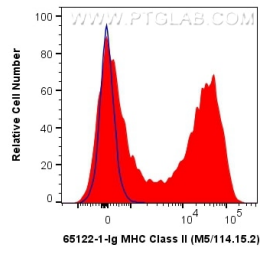
Storage:
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Storage Buffer:
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Selected Validation Data



1X10⁶ mouse splenocytes were surface stained with 0.5 ug Anti-Mouse MHC Class II (I-A/I-E) (65122-1-Ig, Clone: M5/114.15.2) and FITC anti-rat IgG2b Antibody at dilution 1:100 (red), or 0.5 ug Isotype Control. Cells were not fixed.