

30-2729: Anti-Ms MHC Class II Biotin

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| Clonality : | Monoclonal |
| Clone Name : | M5/114 |
| Application : | WB, IHC, IP, FACS, IHC-Fr |
| Reactivity : | Mouse |
| Conjugate : | Biotin |
| Alternative Name : | |
| Immunogen Information : | Activated C57BL/6 mouse spleen cells |

Description

MHC (major histocompatibility complex) class II molecules are transmembrane glycoproteins expressed on the surface of professional antigen-presenting cells, such as macrophages, dendritic cells and B cells. Before their exposition on the cell surface, the MHC class II molecules react with endocytosed exogenous antigens, which are then presented to the T cells. The antigen-binding groove between MHC class II alpha and beta chain is open at both ends and is 15-24 amino acid residues long.

Specificity : The rat monoclonal antibody M5/114 reacts with murine MHC class II glycoproteins. It recognizes a shared extracellular determinant on I-Ab, I-Ad, I-Aq, and I-Ed, I-Ek alloantigens, but it does not react with I-Af, I-Ak, I-As. This antibody can inhibit I-A-restricted T cell responses of the H-2b, H-2d, H-2q, H-2u but not H-2f, H-2k, H-2s haplotypes.

Product Info

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| Amount : | 0.1 mg |
| Purification : | Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography. |
| Content : | Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4 |
| Storage condition : | Store at 2-8°C. Do not freeze. |

Application Note

Flow cytometry: Recommended dilution: 1-4 μ g/ml.