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10-4199: Monoclonal Antibody to mouse MHC Class II (I-A/I-E) (Clone: M5/114)-NALE

Clonality :	Monoclonal
Clone Name :	M5/114
Application :	Functional Assay,IHC,FACS,WB,IF
Reactivity :	Mouse
Format :	Low Endotoxin,Azide Free
Isotype :	Rat IgG2b, k
Immunogen Information :	Activated C57BL/6 mouse spleen cells was used as Immunogen

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 grove between MHC class II alpha and beta chain is open at both ends and is 15-24 amino acid residues long.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G
Content :	PBS, pH 7.0 Contains no stabilizers or preservatives
Storage condition :	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Application Note

<2EU/mg (<0.002EU/µg) Determined by LAL gel clotting assay
Functional assays, Immunofluorescence, Western blot, Immunoprecipitation, Flow cytometry

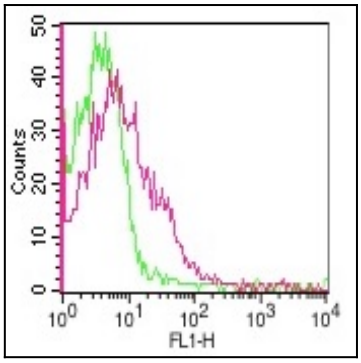


Figure-1: Cell surface flow analysis of mouse MHC Class II on C57 mice splenocytes using 0.5 µg/10^6 cells of MHC class II antibody (Clone: M5/114). Green represents isotype control; red represents anti-mouse MHC class II antibody. mouse anti-rat Fitc conjugate was used as secondary antibody.

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