

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	M5/114
<b>Application :</b>	Functional Assay,IHC,FACS,WB,IF
<b>Reactivity :</b>	Mouse
<b>Format :</b>	Low Endotoxin,Azide Free
<b>Isotype :</b>	Rat IgG2b, k
<b>Immunogen Information :</b>	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 groove between MHC class II alpha and beta chain is open at both ends and is 15-24 amino acid residues long.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G
<b>Content :</b>	PBS, pH 7.0 Contains no stabilizers or preservatives
<b>Storage condition :</b>	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

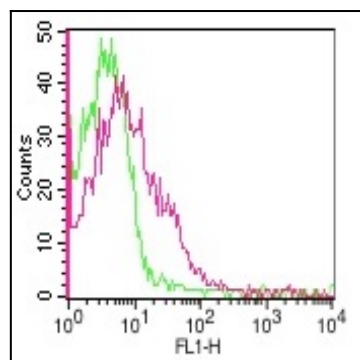


Figure-1: Cell surface flow analysis of mouse MHC Class II on C57 mice splenocytes using 0.5 µg/10<sup>6</sup> cells of MHC class II antibody (Clone: M5/114). Green represents isotype control; red represents anti-mouse MHC class II antibody. mouse anti-rat Fitc conjugate was used as secondary antibody.