

## 30-1031: Azide free Anti-MHC Class II Monoclonal Antibody (Clone:M5/114)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	M5/114
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Ciita
<b>Gene ID :</b>	12265
<b>Uniprot ID :</b>	P79621
<b>Alternative Name :</b>	Ciita,C2ta,Mhc2ta
<b>Isotype :</b>	Rat IgG2b
<b>Immunogen Information :</b>	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.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-G affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

**Flow Cytometry** *Recommended dilution:* 2 µg/ml

**Immunoprecipitation Western Blotting Immunohistochemistry Immunohistochemistry (frozen sections)**

**Functional Application** Blocking of T cell proliferative responses

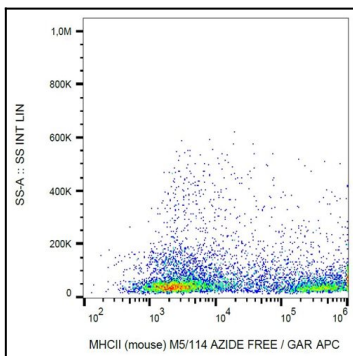


Figure 1: Flow cytometry analysis (surface staining) of MHCII on murine splenocytes with anti-MHCII (M5/114) azide free, GAR-APC.