Mouse Anti-HLA-DP (MHC II) [SPM421]: MC0055

**Intended Use:** For Research Use Only

**Description:** Recognizes a non-polymorphic determinant of DP-MHC class II. MHC class II antigens are transmembrane glycoproteins of non-covalently linked α (33-35kDa) and β (27-30kDa) chains. It reportedly reacts with B- & non-T, non-B cell lines but not with T- and myeloid cell lines and leukemias. Differential expression of MHC class II antigens on fetal and adult lymphocytes, malignant B cells appears to reflect the stage of cell differentiation which may be useful in the study of lymphoproliferative disorders.

**Specifications**
- **Clone:** SPM421
- **Source:** Mouse
- **Isotype:** IgG2b/k
- **Reactivity:** Human
- **Localization:** Membrane
- **Formulation:** Protein A/G purified antibody from bioreactor concentrate. Prepared in 10mM PBS with 0.2% BSA and < 0.09% sodium azide (NaN3)
- **Storage:** Store at 2°-8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
- **Applications:** IHC, Flow Cyt., ICC/IF

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLA-DP (MHC II) Concentrated</td>
<td>MC0055</td>
<td>1 ml</td>
</tr>
</tbody>
</table>

**IHC Procedure**
- **Positive Control Tissue:** Raji cells. Tonsil, lymph node
- **Concentrated Dilution:** 50-200
- ** Pretreatment:** Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
- **Incubation Time and Temp:** 30-60 minutes @ RT
- **Detection:** Refer to the detection system manual

*Result should be confirmed by an established diagnostic procedure.

**References**