### Purified Anti-Human HLA-DR Monoclonal Antibody

<table>
<thead>
<tr>
<th>Catalogue#</th>
<th>Format</th>
<th>Size</th>
<th>Concentration</th>
<th>Isotype Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLHLA-02A</td>
<td>Ascites</td>
<td>0.5 ml</td>
<td>1.0 mg/ml</td>
<td>N/A</td>
</tr>
<tr>
<td>CLHLA-02AP</td>
<td>Purified</td>
<td>500µg</td>
<td>1.0 mg/ml</td>
<td>CLCR2A00</td>
</tr>
<tr>
<td>CLHLA-02B</td>
<td>Biotin</td>
<td>100µg</td>
<td>0.1 mg/ml</td>
<td>CLCR2A15</td>
</tr>
<tr>
<td>CLHLA-02F</td>
<td>FITC</td>
<td>100µg</td>
<td>0.1 mg/ml</td>
<td>CLCR2A01</td>
</tr>
<tr>
<td>CLHLA-02PE</td>
<td>PE</td>
<td>50µg</td>
<td>0.1 mg/ml</td>
<td>CLCR2A04</td>
</tr>
</tbody>
</table>

**Isotype:** Rat IgG2a

**DESCRIPTION:**

Cedarlane's purified anti-human HLA-DR monoclonal antibody recognizes an epitope on the Ia α chain of the Human lymphocyte antigen. This antibody has also been shown to recognize the H-2, I-A region of the mouse. Applications include: flow cytometry, immunofluorescence¹ and immunohistochemistry³ (frozen and paraffin sections).

**PRESENTATION:**

- **Ascites:** 0.5ml Lyophilized.
- **Purified:** Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.
- **Biotin, FITC and PE** conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

**STORAGE/STABILITY:**

For all formats, store at 4°C. DO NOT FREEZE PE conjugate. For long term storage (**Ascites, Purified, Biotin and FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

**SPECIFICATIONS:**

- **Clone:** YE2/36 HLK
- **Hybridoma Production:**
  - **Immunization:** Immunogen: EHR-B Ramos cells
  - **Donor:** immunized AO rat spleen cells
  - **Fusion Partner:** Y3 Agl.2.3 rat myeloma
Specificity: HLA-DR Ia α chain
Cross reactive with mouse H-2, I-A sub-region

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Cell Concentration: 1x10^6 cells per test
Antibody Concentration Used: 1.0 µg/10^6 cells

![Graph showing flow cytometry results]

Human peripheral blood lymphocytes were stained with anti-HLA-DR (clone: YE2/36 HLK) (filled histogram) or Rat IgG2a isotype control (open histogram).

N.B. Appropriate control samples should always be included in any labeling studies.
* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.

REFERENCES:


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