### Product Details

**Description:** RAT ANTI HUMAN HLA DR

**Specificity:** HLA DR

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** YE2/36-HLK

**Isotype:** IgG2a

**Quantity:** 0.25 mg

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>1/50 - 1/100</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) **PLP fixation is recommended for optimal results, see Whiteland et al, for details**

<table>
<thead>
<tr>
<th>Target Species</th>
<th>Human</th>
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<tbody>
<tr>
<td>Product Form</td>
<td>Purified IgG - liquid</td>
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<tr>
<td>Preparation</td>
<td>Purified IgG prepared by affinity chromatography on Protein G</td>
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<tr>
<td>Buffer Solution</td>
<td>Phosphate buffered saline</td>
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<tr>
<td>Preservative Stabilisers</td>
<td>0.09% Sodium Azide</td>
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</tbody>
</table>
Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen EHR-B Ramos cells.

RRID AB_323671

Fusion Partners Spleen cells from immunised AO rats were fused with cells of the rat Y3 Ag1.2.3 myeloma cell line.

Specificity Rat anti Human HLA DR antibody, clone YE2/36-HLK recognizes a monomorphic determinant of human HLA DR which is an MHC class II cell surface receptor expressed primarily on antigen presenting cells such as B lymphocytes, monocytes, macrophages and activated T lymphocytes.

The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In humans, this complex is referred to as the human leukocyte antigen (HLA) region. There are 3 major MHC class II proteins encoded by the HLA which are HLA DP, HLA DQ and HLA DR.

Rat anti Human HLA DR antibody, clone YE2/36-HLK has also been reported to be cross reactive with mouse H-2 haplotypes b, d and q expressed by mouse strains including C57BL/6, DBA, and NZB (Brickell et al. 1981).

Flow Cytometry Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

References


### Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee

12 months from date of despatch

### Health And Safety Information


### Regulatory

For research purposes only

### Related Products

**Recommended Secondary Antibodies**