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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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Technically
Speaking

CEDARLANE[®] 
www.cedarlanelabs.com

Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

**Anti-Human HLA-DR
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CLHLA-02A	Ascites	0.5 ml	1.0 mg/ml	N/A
CLHLA-02AP	Purified	500µg	1.0 mg/ml	CLCR2A00
CLHLA-02B	Biotin	100µg	0.1 mg/ml	CLCR2A15
CLHLA-02F	FITC	100µg	0.1 mg/ml	CLCR2A01
CLHLA-02PE	PE	50µg	0.1 mg/ml	CLCR2A04
CLHLA-02AF4	Alexa Fluor [®] 488	100 µg	0.1 mg/ml	N/A
CLHLA-02AF6	Alexa Fluor [®] 647	100 µg	0.1 mg/ml	N/A
CLHLA-02AF7	Alexa Fluor [®] 700	100 µg	0.1 mg/ml	N/A

Alexa Fluor[®] is a registered trademark of Life Technologies Corporation.

Isotype: Rat IgG_{2a}

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, PE, AF488, AF647 and AF700: Biotin/FITC/PE/AF488/AF647/AF700 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, AF488, AF647 and AF700 conjugates. 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.

Visit our website for your local distributor.

CEDARLANE[®] 

www.cedarlanelabs.com

An ISO 9001:2000 and ISO 13485:2003
registered company.

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SPECIFICATIONS:

Clone: YE2/36 HLK

Hybridoma Production:

Immunization: Immunogen: EHR-B Ramos cells
Donor: immunized AO rat spleen cells
Fusion Partner: Y3 Ag1.2.3 rat myeloma

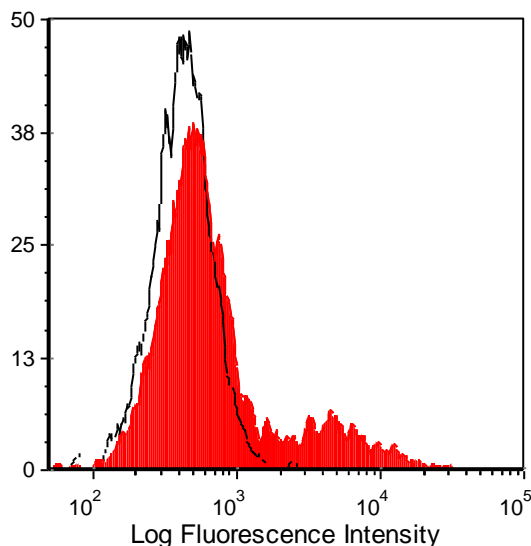
Specificity: HLA-DR Ia α chain
Cross reactive with mouse H-2, I-A sub-region

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Cell Concentration: 1×10^6 cells per test

Antibody Concentration Used: $1.0 \mu\text{g}/10^6$ cells



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:

1. Brickell, P. M. *et al.* (1981). A monoclonal antibody to the HLA-DR product recognizes a polymorphic Ia determinant in mice. *Immunol.* 43: 493-501.
2. Crawford, D. H. *et al.* (1981). Increased numbers of cells with suppressor T-cell phenotype in the peripheral blood of patients with infectious mononucleosis. *Clin. Exp. Immunol.* 43: 291.
3. Whiteland, J. L. *et al.* (1995). Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies. *J. Histochem. Cytochem.* 43(3) 313-320.

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