

## Datasheet: MCA1879PE

<b>Description:</b>	MOUSE ANTI HUMAN HLA DR:RPE
<b>Specificity:</b>	HLA DR
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	HL-39
<b>Isotype:</b>	IgG3
<b>Quantity:</b>	100 TESTS

## Product Details

### 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).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

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.

Target Species	Human		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1.0 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by hydrophobic charge induction chroma culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN <sub>3</sub> )		
Stabilisers	1% bovine serum albumin		
	5% sucrose		

<b>Immunogen</b>	Raji Burkitt lymphoma cell line.
<b>RRID</b>	AB_323336
<b>Specificity</b>	<p><b>Mouse anti Human HLA DR antibody, clone HL-39</b> recognizes 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.</p> <p>Mouse anti Human HLA DR antibody, clone HL-39 recognizes a determinant that is dependant upon the association of both the alpha and beta chains of HLA DR.</p> <p>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.</p>
<b>Flow Cytometry</b>	Use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells or 100µl whole blood.
<b>References</b>	<p>1. Horejsí, V. <i>et al.</i> (1986) Characterization of seven new monoclonal antibodies against human DR, DR + DP and DQ1 + DQ3 antigens. <a href="#">Tissue Antigens. 28 (5): 288-97.</a></p> <p>2. Philippidis, P. <i>et al.</i> (2010) Anti-inflammatory haemoglobin scavenging monocytes are induced following coronary artery bypass surgery. <a href="#">Eur J Cardiothorac Surg. 37: 1360-6.</a></p>
<b>Storage</b>	<p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1879PE">https://www.bio-rad-antibodies.com/SDS/MCA1879PE</a> 20487
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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