

## Datasheet: MCA6058PE

<b>Description:</b>	MOUSE ANTI HUMAN CD19:RPE
<b>Specificity:</b>	CD19
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	HIB19
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/0.5ml

## 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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
<b>Preparation</b>	Purified IgG prepared by affinity chromatography		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	0.2% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.05 mg/ml		
<b>Immunogen</b>	Human CD19		
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P15391</a> <a href="#">Related reagents</a>		
	<b>Entrez Gene:</b>		

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<b>Specificity</b>	<b>Mouse anti Human CD19 antibody, clone HIB19</b> recognizes CD19 also known as B4. CD19 is a 95 kDa type I transmembrane glycoprotein and member of the immunoglobulin superfamily. It is expressed on all B cells, excluding plasma cells, and follicular dendritic cells. CD19 plays a role in B cell activation, development and differentiation. CD19 forms the B cell receptor (BCR) with CD21 and CD81. Upon activation, the cytoplasmic segment of CD19 undergoes phosphorylation which leads to recruitment of Src-family kinases and PI-3 kinase signaling.
<b>Flow Cytometry</b>	Use 5ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul
<b>Storage</b>	Store at +4°C. DO NOT FREEZE. 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.
<b>Guarantee</b>	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

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