

## Datasheet: MCA5890PE

<b>Description:</b>	MOUSE ANTI HUMAN SIGLEC-9:RPE
<b>Specificity:</b>	SIGLEC-9
<b>Other names:</b>	CD329
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	K8
<b>Isotype:</b>	IgG1
<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 antibody 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 antibody 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 affinity chromatography on Protein G supernatant		
Buffer Solution	Phosphate buffered saline.		
Preservative Stabilisers	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin 5% Sucrose		

<b>Immunogen</b>	Recombinant Siglec-9 fused to Fc region of human IgG.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9Y336</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">27180</a>    SIGLEC9    <a href="#">Related reagents</a></p>
<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mice were fused with cells of the SP2 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human Siglec-9, Clone K8</b>, also known as CD329, recognises Human sialic acid-binding Ig-like lectin 9, a single pass type I membrane protein belonging to the immunoglobulin superfamily.</p> <p>Human Siglec-9 is broadly expressed in a range of human tissues with high expression on monocytes and low-level expression on neutrophils and subpopulations of NK, B, and T cells.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Zhang, J.Q. <i>et al.</i> (2000) Siglec-9, a novel sialic acid binding member of the immunoglobulin superfamily expressed broadly on human blood leukocytes. <a href="#">J Biol Chem. 275 (29): 22121-6.</a></li> <li>2. Avril, T. <i>et al.</i> (2004) The membrane-proximal immunoreceptor tyrosine-based inhibitory motif is critical for the inhibitory signaling mediated by Siglecs-7 and -9, CD33-related Siglecs expressed on human monocytes and NK cells. <a href="#">J Immunol. 173 (11): 6841-9.</a></li> <li>3. Ikehara, Y. <i>et al.</i> (2004) Negative regulation of T cell receptor signaling by Siglec-7 (p70/AIRM) and Siglec-9. <a href="#">J Biol Chem. 279 (41): 43117-25.</a></li> </ol>
<b>Storage</b>	<p>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/MCA5890PE">https://www.bio-rad-antibodies.com/SDS/MCA5890PE</a> 20487
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

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

## 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://bio-rad-antibodies.com/datasheets)

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