

## Datasheet: MCA2468GA

<b>Description:</b>	RAT ANTI HUMAN CMKLR1
<b>Specificity:</b>	CMKLR1
<b>Other names:</b>	CHEMOKINE-LIKE RECEPTOR 1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	BZ332
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 mg

## 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	■			1/25 - 1/100
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting			■	

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Peptide corresponding to an epitope within the N-terminal region of human CMKLR1.
External Database Links	<p><b>UniProt:</b>  <a href="#">Q99788</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1240</a>    CMKLR1    <a href="#">Related reagents</a></p>
Synonyms	CHEMR23, DEZ
RRID	AB_844519
Specificity	<p><b>Rat anti Human CMKLR1 antibody, clone BZ332</b> recognizes human serpentine chemokine-like receptor 1 (CMKLR1), a novel chemoattractant receptor, which is also referred to Chem23 or DEZ. CMKLR1 is expressed on plasmacytoid dendritic cells (pDC) in blood but is not expressed on myeloid dendritic cells, lymphocytes, monocytes or granulocytes. Studies show that CMKLR1 is also expressed on dendritic cells, which have been generated <i>in vitro</i> from monocytes.</p> <p>The sole ligand for CMKLR1 is chemerin, a chemoattractant that exists at the mRNA level in a wide range of tissues, and as an inactive proform in serum and plasma. Studies suggest that chemerin, in plasma, is converted into a potent pDC attractant following blood coagulation and may be a process by which pDC's are recruited to sites of bleeding and tissue damage.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
References	<ol style="list-style-type: none"> <li>1. Zabel, B.A. <i>et al.</i> (2005) Chemokine-like receptor 1 expression and chemerin-directed chemotaxis distinguish plasmacytoid from myeloid dendritic cells in human blood. <a href="#">J Immunol. 174 (1): 244-51.</a></li> <li>2. Maheshwari, A. <i>et al.</i> (2009) Epithelial cells in fetal intestine produce chemerin to recruit macrophages. <a href="#">Am J Physiol Gastrointest Liver Physiol. 297: G1-G10.</a></li> <li>3. ChanY, L.T. <i>et al.</i> (2018) NK cells produce high levels of IL-10 early after allogeneic stem cell transplantation and suppress development of acute GVHD. <a href="#">Eur J Immunol. 48 (2): 316-29.</a></li> <li>4. Li, L. <i>et al.</i> (2014) Chemerin-derived peptide C-20 suppressed gonadal steroidogenesis. <a href="#">Am J Reprod Immunol. 71 (3): 265-77.</a></li> </ol>
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend</p>

microcentrifugation before use.

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<b>Guarantee</b>	18 months from date of despatch.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®800</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>

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