

## Product datasheet for **TA386216**

### **Cmklr1 Rabbit Monoclonal Antibody [Clone ID: BZ194]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	BZ194
Applications:	ELISA, FC, FN, IF, IHC, IP, WB
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunising Wistar Furth rats with the mCMKLR1 peptide/KLH conjugate. The immunizing amino-terminal mCMKLR1 peptide with the sequence NH <sub>2</sub> -DSGIYDDEYSDGFGYFVDLEEASPWC-COOH, corresponding to residues residues 8–32 of mCMKLR1, with a nonnative carboxyl-terminal cysteine to facilitate conjugation to keyhole limpet hemocyanin (KLH).



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<b>Specificity:</b>	<p>This antibody is specific for murine serpentine receptor mCMKLR1 (aka ChemR23, DEZ). mCMKLR1 is a novel protein possessing high homology with members of the chemoattractant receptor family, and binds the chemoattractant chemerin. Selective mCMKLR1 expression has been demonstrated by mouse macrophages ex vivo, and by dendritic cell precursors cultured in vitro.</p> <p>The anti-mCMKLR1 BZ194 generates a robust staining signal when used in flow cytometry applications with mCMKLR1+ cells (Zabel et al., 2006). This antibody, together with other mAbs directed against chemokine receptors, could be used to determine the leukocyte expression profile of receptors during homeostasis or inflammation, to elucidate the role of various receptors in coordinating the immune response and in leukocyte development, and to identify other proteins interacting with the chemokine receptor. In particular, this antibody has been used to evaluate the functional responses of mCMKLR1-expressing cells to chemerin (Zabel et al., 2006), to demonstrate the essential role of natural killer cells in resolution of antigen-induced inflammation in mice (Anuforo et al., 2018), to indicate a potential role for chemerin and CMKLR1 in the regulation of inflammatory responses in the tumor microenvironment (Rama et al, 2011), to visualise immediate immune responses to pioneer metastatic cells in the lung (Headley et al., 2016), and to investigate the regulatory role of chemerin in lung tumorigenesis and cancer-associated inflammation (Unver et al, 2018).</p>
<b>Formulation:</b>	PBS with 0.02% Proclin 300.
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
<b>Stability:</b>	3 years from dispatch.
<b>Gene Name:</b>	chemokine-like receptor 1
<b>Database Link:</b>	<a href="#">Entrez Gene 14747 Mouse P97468</a>
<b>Synonyms:</b>	CHEMERINR; ChemR23; DEZ; MGC126105; MGC126106
<b>Note:</b>	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.