

## DESCRIPTION

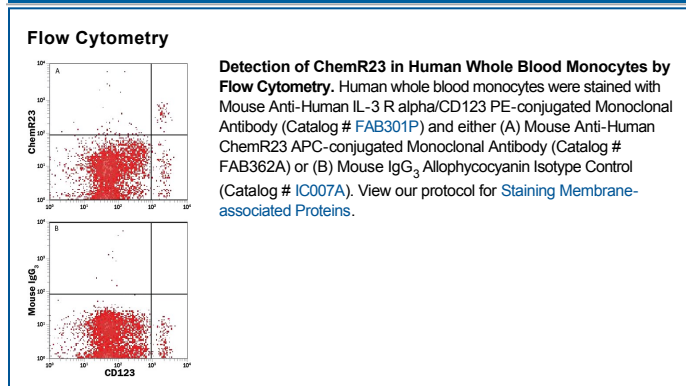
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human ChemR23. Stains human ChemR23-transfected cells but not irrelevant transfectants.
<b>Source</b>	Monoclonal Mouse IgG <sub>3</sub> Clone # 84939
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human ChemR23 Met1-Leu371 Accession # NP_004063
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

ChemR23, also known as CMKLR1, is a 47-48 kDa 7-transmembrane member of the rhodopsin, or G-protein coupled receptor family 1. It has restricted expression on select cell types that, in primate, include adipocytes, astrocytes, endothelial cells, microglia/macrophages, chondrocytes, monocytes, osteocytes, NK cells, and plasmacytoid plus myeloid dendritic cells. In mouse, would studies show ChemR23 to be expressed by neutrophils and keratinocytes. The universally-agreed on ligand for ChemR23 is Chemerin, a 137 amino acid (aa) non-chemokine product of fibroblasts, platelets, adipocytes and endothelium. The Chemerin:ChemR23 system is suggested to promote chemotaxis for all ChemR23+ cells, and to induce angiogenesis via endothelial cell migration and MMP-2 and -9 activation. There is one alternative splice form that shows a deletion of aa 1 and 2 (NP\_004063). Over the extracellular domains of ChemR23, human and mouse share 69% aa sequence identity.

## References: