

Monoclonal Antibody to Chemokine receptor-like 1 (N-term) - FITC

Alternate names:	CHEMR23, CMKLR1, DEZ, G-protein coupled receptor ChemR23, G-protein coupled receptor DEZ
Catalog No.:	AM05573FC-N
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	<p>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>
Uniprot ID:	Q99788
NCBI:	NP_001135815.1
GeneID:	1240
Host / Isotype:	Rat / IgG2a
Clone:	BZ332
Immunogen:	Peptide corresponding to an epitope within the N-terminal region of human CMKLR1
Format:	<p>State: Liquid purified IgG</p> <p>Purification: Affinity chromatography on Protein G</p> <p>Buffer System: Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide, 1% Bovine Serum Albumin</p> <p>Label: FITC – Fluorescein Isothiocyanate Isomer 1</p>
Applications:	<p>Flow cytometry (neat - 1/10): use 10 µl of the suggested working dilution to label 10e6 cells in 100 µl.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>This antibody recognises serpentine chemokine-like receptor 1 (CMKLR1), a novel chemoattractant receptor, which is also referred to Chem23 or DEZ.</p> <p>Species: Human.</p> <p>Other species not tested.</p>

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
This product is photosensitive and should be protected from light.
Shelf life: one year from despatch.

General Readings:

1. Zabel BA, Silverio AM, Butcher EC. Chemokine-like receptor 1 expression and chemerin-directed chemotaxis distinguish plasmacytoid from myeloid dendritic cells in human blood. *J Immunol.* 2005 Jan 1;174(1):244-51. PubMed PMID: 15611246.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com