



Anti-CMKLR1 monoclonal antibody, clone BZ332 (CABT-53864RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Rat anti Human CMKLR1 antibody, clone BZ332 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 in vitro from monocytes. 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. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Specificity

CMKLR1

Immunogen

Peptide corresponding to an epitope within the N-terminal region of human CMKLR1.

Isotype

IgG2a

Source/Host

Rat

Species Reactivity

Human

Clone

BZ332

Conjugate

Unconjugated

Applications

FC

Format

Purified IgG - liquid

Size	100 µg
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. 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 microcentrifugation before use.

GENE INFORMATION

Gene Name	CMKLR1 chemokine-like receptor 1 [Homo sapiens (human)]
Official Symbol	CMKLR1
Synonyms	CMKLR1; chemokine-like receptor 1; DEZ; RVER1; ChemR23; CHEMERINR; chemerin receptor; resolin E1 receptor; chemokine receptor-like 1; G-protein coupled receptor DEZ; G-protein coupled receptor ChemR23; orphan G-protein coupled receptor, Dez;
Entrez Gene ID	1240
Protein Refseq	NP_001135815
UniProt ID	Q99788
Chromosome Location	12q24.1
Pathway	GPCRs, Class A Rhodopsin-like;
Function	G-protein coupled receptor activity; chemokine receptor activity; protein binding; receptor activity;
