

Product datasheet for **TA320311**

CMKLR1 Rat Monoclonal Antibody [Clone ID: BZ332]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BZ332
Recommended Dilution:	Flow
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	chemerin chemokine-like receptor 1
Database Link:	NP_004063 Entrez Gene 1240 Human Q99788



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Background:

The BZ332 antibody reacts with human chemokine-like receptor 1, CMKLR1. CMKLR1 (also known as ChemR23 or DEZ), is a recently-described serpentine chemoattractant receptor. CMKLR1 has been shown to be expressed by dendritic cells (DC) generated in vitro from monocytes, and to mediate their migration to the proteolytically regulated chemoattractant chemerin. CMKLR1 is expressed by circulating DCs in human blood. Importantly, it is selectively expressed by immature plasmacytoid DCs, but not myeloid DCs, thus enabling discrimination between these two dendritic cell lineages. While CMKLR1 is expressed by circulating pDCs in human blood, mDCs, as well as lymphocytes, monocytes, neutrophils, and eosinophils are negative. Human serum contains a chemoattractant for CMKLR1 which is identical with chemerin; this activity is triggered during blood coagulation, suggesting a mechanism for attraction of pDCs to sites of tissue damage and bleeding. Expression of CMKLR1 and migration to locally activated chemerin may allow the rapid and differential recruitment of pDCs in vivo. Unlike mDCs, circulating pDCs do not respond to inflammatory chemokines.

Synonyms:

CHEMERINR; ChemR23; DEZ; RVER1

Protein Families:

Druggable Genome, GPCR, Transmembrane