

# Anti-CHEMR23 / CMKLR1 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody Catalog # ALS18176

### **Specification**

## Anti-CHEMR23 / CMKLR1 Antibody (Internal) - Product Information

Application WB, IHC-P, IP

Primary Accession Q99788

Predicted Human, Mouse, Rat, Pig
Host Rabbit
Clonality Polyclonal
Calculated MW 42322

Dilution WB~~1:1000 IHC-P~~N/A IP~~N/A

### Anti-CHEMR23 / CMKLR1 Antibody (Internal) - Additional Information

**Gene ID 1240** 

Alias Symbol CMKLR1

**Other Names** 

CMKLR1, Chemokine receptor-like 1, DEZ, CHEMERINR, Resolvin E1 receptor, RVER1, Chemokine-like receptor 1, ChemR23, G-protein coupled receptor DEZ

# **Target/Specificity**

Recognizes endogenous levels of CMKLR1 protein.

Reconstitution & Storage Immunoaffinity purified

# **Precautions**

Anti-CHEMR23 / CMKLR1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

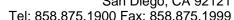
# Anti-CHEMR23 / CMKLR1 Antibody (Internal) - Protein Information

Name CMKLR1 (HGNC:2121)

Synonyms CHEMR23, DEZ

#### **Function**

Receptor for the chemoattractant adipokine chemerin/RARRES2 and for the omega-3 fatty acid derived molecule resolvin E1. Interaction with RARRES2 initiates activation of G proteins G(i)/G(o) and beta-arrestin pathways inducing cellular responses via second messenger pathways such as intracellular calcium mobilization, phosphorylation of MAP kinases MAPK1/MAPK3 (ERK1/2), TYRO3, MAPK14/P38MAPK and PI3K leading to multifunctional effects, like reduction of immune responses, enhancing of adipogenesis and angionesis (PubMed:<a





href="http://www.uniprot.org/citations/27716822" target=" blank">27716822</a>). Resolvin E1 down-regulates cytokine production in macrophages by reducing the activation of MAPK1/3 (ERK1/2) and NF- kappa-B. Positively regulates adipogenesis and adipocyte metabolism.

#### **Cellular Location**

Cell membrane; Multi-pass membrane protein. Note=Internalizes efficiently in response to RARRES2.

#### **Tissue Location**

Prominently expressed in developing osseous and cartilaginous tissue. Also found in adult parathyroid glands. Expressed in cardiovascular system, brain, kidney, gastrointestinal tissues and myeloid tissues. Expressed in a broad array of tissues associated with hematopoietic and immune function including, spleen, thymus, appendix, lymph node, bone marrow and fetal liver. Among leukocyte populations abundant expression in monocyte-derived macrophage and immature dendritic cells (DCs). High expression in blood monocytes and low levels in polymorphonuclear cells and T-cells. Expressed on endothelial cells. Highly expressed in differentiating adipocytes

### Anti-CHEMR23 / CMKLR1 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CHEMR23 / CMKLR1 Antibody (Internal) - Images