



BMA BIOMEDICALS

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Monoclonal Antibody To Human CCRL2

C-C Chemokine Receptor-Like 2; UniProt: O00421

Lipopolysaccharide-inducible CC chemokine receptor (LCCR), or CCRL2 is a 344 amino acid protein that belongs to the G-protein coupled receptor 1 family, with a potential glycosylation site and one disulfide bond. CCRL2 is expressed abundantly in immunal tissues such as spleen, fetal liver, lymph node and bone marrow, but also in lung and heart. CCRL2 is expressed in almost all hematopoietic cells including monocytes, macrophages, PMNs, T-cells (both CD4+ and CD8+), monocyte-derived iDCs, NK cells, and CD34+ progenitor cells, and also on glial cells and mast cells at inflammatory sites. It has been reported to be up-regulated on synovial neutrophils of rheumatoid arthritis patients.

Unlike other known G-protein coupled receptors, binding of an agonist such as CCL5 or CCL19 does not induce signal transduction through CCRL2. Rather, the ligand is absorbed after binding, and the receptor recycled, thus reducing the local ligand concentration. The leukocyte chemoattractant chemerin is a ligand for CCRL2 as well, but rather than being recycled, the complex seems to promote bridging to the chemerin receptor on nearby cells.

Product number: T-1230

Clone: 1B2

Lot: 01PO1224

TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species; subclass:	Mouse IgG2a, kappa light chain
Quantity:	200µg
Purification / Physical State:	Protein G purified, lyophilized
Format:	Affinity purified from serum-free cell culture supernatant, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% Kathon as a preservative.
Storage and stability:	Original vial with lyophilized antibody is stable for 1 year from date of despatch. Aliquots of stock solution can be kept frozen at -20°C for two years from date of reconstitution; do not freeze working dilutions.
Approximate working dilution:	optimal dilution should be tested by serial dilution.
Immune Histochemistry:	4-8µg/ml (1:50 -1:100)
Fixation:	Formalin / Paraffin (pretreatment with microwave required, see protocol under www.bma.ch)
Suggested positive control:	human placenta
Immunogen:	DNA vaccine.
Antigen, epitope:	The specificity of the antibody was verified by flow cytometry with cells expressing the recombinant protein. The epitope has not been further characterized. For an illustration of the expression pattern please go to www.bma.ch .

This product contains Kathon as a preservative and is for research only. Purchase price does not include authorization to reverse engineer any part thereof, nor to use it in diagnostic or therapeutic applications.

T-1230

1B2

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