



BMA BIOMEDICALS

Monoclonal Antibody To Human CCRL2 C-C Chemokine Receptor-Like 2

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, foetal 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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1230 (Lot 01PO1224)
Clone:	1B2
Host species, isotype:	Mouse IgG2a, kappa light chain
Quantity:	200µg
Format:	Protein G purified, lyophilized. Affinity purified from serum-free cell culture supernatant, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.5mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% (v/v) Kathon™ CG as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC). Approximate working dilution for IHC: Paraffin sections: 4-8µg/ml (1:50 - 1:100), pretreatment in microwave with citrate buffer for antigen retrieval is recommended

Optimal dilutions should be determined by the end user

Suggested positive control: Human placenta

Please see **www.bma.ch** for protocols and general information

Immunogen:

DNA vaccine

Protein database:

human-O00421

Antigen, epitope:

The specificity of the antibody was verified by flow cytometry with cells expressing the recombinant protein. The epitope was not further characterized.

For in vitro research only. This product contains Kathon™ CG as a preservative.