



BMA BIOMEDICALS

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Monoclonal Antibody To Human Chemerin Receptor Chemokine-Like Receptor 1; ChemR23; UniProt: Q99788

G-protein coupled receptor ChemR23 is a 373 amino acid protein that belongs to the G-protein coupled receptor 1 family, with two potential glycosylation sites and one disulfide bond. The ligand Chemerin (or retinoic acid receptor responder protein 2, RARRES2) is a 14 kDa protein found to stimulate chemotaxis of dendritic cells, monocytes / macrophages and natural killer cells to the site of inflammation. Accordingly, there is abundant expression of the receptor on these cells. ChemR23 is prominently expressed in developing osseous and cartilaginous tissue, as well as in tissues associated with hematopoietic and immune function including spleen, thymus, appendix, lymph node, bone marrow and fetal liver. The receptor is also found in adult parathyroid glands, in the cardiovascular system, brain, kidney, gastrointestinal and myeloid tissues and on endothelial cells. ChemR23 acts as a coreceptor for several SIV strains, as well as a primary HIV-1 strain.

Product number: T-1217

Clone: 1A7

Lot: 01PO1220

TECHNICAL AND ANALYTICAL CHARACTERISTICS:

Host species; subclass:	Mouse IgG2b, kappa light chain
Quantity:	100µg
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 0.2mg/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:	1µg/ml (1:200)
Fixation:	Formalin / Paraffin (predigestion with proteinase K 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.

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25.10.2012