



BMA BIOMEDICALS

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Rheinstrasse 28-32
CH-4302 Augst (Switzerland)
Phone:++41 61 811 6222
Fax: ++41 61 811 6006
info@bma.ch
www.bma.ch

**Monoclonal Antibody To Human CX3C Receptor 1
CX3CR1; G-Protein Coupled Receptor 13 (GPR13); Fractalkine Receptor; V28;
UniProt: P49238**

G-protein coupled receptor 13 (GPR13) is a 355 amino acid protein that belongs to the G-protein coupled receptor 1 family. Biologically, the fractalkine (CX3CL1) to fractalkine receptor (CX3CR1) interactions play an important role in macrophage recruitment to target organs such as the brain, the intestine, the liver or the lungs. Accordingly, expression of the CX3CR1 has been described in inflammation- and tumor-associated macrophages, intestinal lamina propria macrophages, and B cells. Also, CX3CR1 mediates adhesive and migratory functions and acts as a coreceptor with CD4 for HIV-1 virus gp160 envelope protein.

Product number: T-1235

Clone: 1G4

Lot: 01PO1226

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:	2µg/ml (1:100)
Fixation:	Formalin / Paraffin (pretreatment with proteinase K required, see protocol under www.bma.ch)
Suggested positive control:	human brain cortex
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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1G4

25.10.2012