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**Monoclonal Antibody To Human GPR1**  
**G-Protein Coupled Receptor 1; UniProt: P46091**

GPR1 is a 355 amino acid member of the G-protein coupled receptor 1 family with a seven-transmembrane basic structure. GPR1 is a receptor for the inflammation-associated leukocyte chemoattractant chemerin / RARRES2, suggesting a role for this receptor in the regulation of inflammation. Chemerin is also an adipokine involved in glucose and lipid metabolism. The literature suggests that GPR1 can also act as a coreceptor for HIV-1.

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**Product number: T-1226**

**Clone: K1G4**

**Lot: 01PO1229**

**TECHNICAL AND ANALYTICAL CHARACTERISTICS:**

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| <b>Host species; subclass:</b>        | Mouse IgG2a, kappa light chain  |
| <b>Quantity:</b>                      | 250µg   |
| <b>Purification / Physical State:</b> | Protein G purified, lyophilized   |
| <b>Format:</b>                        | Affinity purified from serum-free cell culture supernatant, lyophilized.<br>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% Kathon as a preservative. |
| <b>Storage and stability:</b>         | 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.  |
| <b>Approximate working dilution:</b>  | optimal dilution should be tested by serial dilution.   |
| Immune Histochemistry:                | 10-20µg/ml (1:25 –1:50)   |
| Fixation:                             | Formalin / Paraffin (pretreatment with Proteinase K required, see protocol under <a href="http://www.bma.ch">www.bma.ch</a> )   |
| <b>Suggested positive control:</b>    | human brain cortex  |
| <b>Immunogen:</b>                     | DNA vaccine.  |
| <b>Antigen, epitope:</b>              | The specificity of the antibody was verified by flow cytometry with cells expressing the recombinant protein.   |

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