TECHNICAL DATA SHEET

Purified Rabbit Anti-human Fractalkine (Intracellular domain)

**Catalog Number:** TP237

**Lot Number:** 070519

**Content:** Protein A purified rabbit IgG, 200 µg, with 0.1% sodium azide, lyophilized.

(Reconstitute to 1 mg/ml by adding 200 µl H₂O)

**Product Description and Usage:** For research use only. This polyclonal antibody, which reacts with recombinant and natural human, rat and mouse fractalkine, was generated using *E. coli*-expressed intracellular domain (aa 379-397) of human fractalkine as an immunogen. This antibody has been tested on Western Blot at the dilution of 1:2,000.

Cross-reactivity to fractalkine of other species has not been determined.

**Storage Condition:** 4°C for short term storage or -20°C in small aliquots for long term storage. Avoid repeated freeze and thaw.

**Background:** Fractalkine, also known as neurotactin, is a membrane-bound CX₃C chemokine. The mature protein is part of a 397-amino acid precursor and consists of a chemokine domain of 76 amino acids, a mucin stalk of 241 amino acids, a putative transmembrane domain of 18 amino acids, and an intracellular tail of 37 amino acids. Within the chemokine domain the first two cysteine residues are separated by 3 amino acids (CX₃C). Fractalkine message is found in high abundance in the brain, kidney, lung and heart tissues. Fractalkine is chemotactic for monocytes and other leukocytes including NK cells, lymphocytes, and may play a role in brain inflammation.

**References:**

3. Imai, T. et al. (1997) Identification and molecular characterization of fractalkine receptor CX₃CR1, which mediates both leukocyte migration and adhesion. *Cell* 91:521-530