

## TECHNICAL DATA SHEET

### Purified Rabbit Anti-rat IP-10

**Catalog Number:** TP240

**Lot Number:** 101003

**Content:** Protein A purified rabbit IgG, 0.2mg, with 0.1% sodium azide, lyophilized.

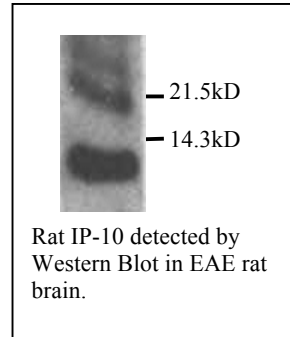
(Reconstitute to 1 mg/ml by adding 0.2ml H<sub>2</sub>O)

**Product Description and Usage:** For research use only. This polyclonal antibody, which reacts with rat IP-10, was generated using *E. coli*-expressed rat IP-10 as an immunogen. The tested titer for Western blot is 1:5,000.

Cross-reactivity to IP-10 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:** IP-10 (interferon-gamma induced protein 10 kD; in mouse, also called cytokine responsive gene 2, Crg-2, or mob-1) is a highly inducible, primary response gene that belongs to the CXC chemokine superfamily. It was first cloned in 1985<sup>1</sup>. The biological functions of IP-10 are still unclear. Like Mig, IP-10 has no activity on



neutrophils. Its functions include stimulation of monocytes, natural killer and T-cell migration, regulation of T-cell and bone marrow progenitor maturation, modulation of adhesion molecule expression as well as inhibition of angiogenesis. Mig and IP-10 share the same receptor, CXCR3<sup>2,3</sup>.

### References:

1. Luster, A.D., et al. (1985) Gamma-interferon transcriptionally regulates an early-response gene containing homology to platelet proteins. *Nature* 315(6021):672-676
2. Neville, L.F., et al. (1997) The immunobiology of interferon-gamma inducible protein 10 kD (IP-10): a novel, pleiotropic member of the C-X-C chemokine superfamily. *Cytokine Growth Factor Rev* 8(3):207-219
3. Farber, J.M. (1997) Mig and IP-10: CXC chemokines that target lymphocytes. *J Leukoc Biol.* 61:246-257

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