Anti-CCL3 / MIP-1 alpha Antibody

R1510-9

Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	IF-Cell, IHC-P, FC, ELISA
Molecular Wt:	Predicted band size: 10 kDa

Description: Chemokines are members of a superfamily of small inducible, secreted, pro-inflammatory cytokines. Members of the chemokine family exhibit 20 to 50% homology in their predicted amino acid sequences and are divided into four subfamilies. In C-C (or b) subfamily, the first two cysteines are adjacent. C-C chemokines are chemoattractants and activators for monocytes and T cells. C-C subfamily members include macrophage inflammatory protein (MIP)-1α, MIP-1β, MIP-2, MIP-3α, MIP-3β, MIP-4, HCC-1, MIP-5 (or HCC-2), RANTES, MCP-1/2/3 (and the murine homologs JE and MARC), I-309, murine C10 and TCA3. Research has shown that MIP-1β is more selective than MIP-1α, primarily attracting CD4+ T lymphocytes, with a preference for T cells of the naive phenotype. MIP-1α is a more potent lymphocyte chemoattractant than MIP-1β and exhibits a broader range of chemoattractant specificities. It has been suggested that CD8+ T lymphocytes are involved in the control of HIV infection in vivo by the release of HIV-suppressive factors (HIV-SF). MIP-1α has been identified as one of the major HIV-SFs produced by CD8+ T cells, along with MIP-1β and RANTES

Immunogen: Synthetic peptide within mouse CCL3 aa 43-92 / 92.

Positive control: PANC-1, A549, mouse pancreas tissue, mouse lung tissue, mouse spleen tissue.

Subcellular location: Secreted

Database links: SwissProt: P10147 Human | P10855 Mouse | P50229 Rat

Recommended Dilutions:

IF-Cell	1:50-1:200
IHC-P	1:50-1:200
FC	1:50-1:100

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4℃. Store at +4℃ short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20℃ long term.

Purity: Immunogen affinity purified.

Images

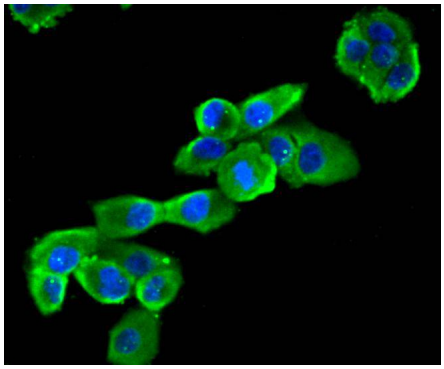

Fig1: Immunocytochemical staining of PANC-1 cells using anti-CCL3 rabbit polyclonal antibody.

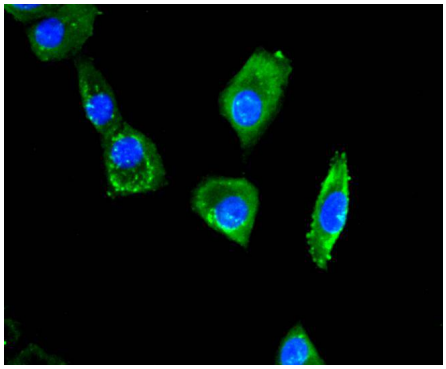

Fig2: Immunocytochemical staining of A549 cells using anti-CCL3 rabbit polyclonal antibody.

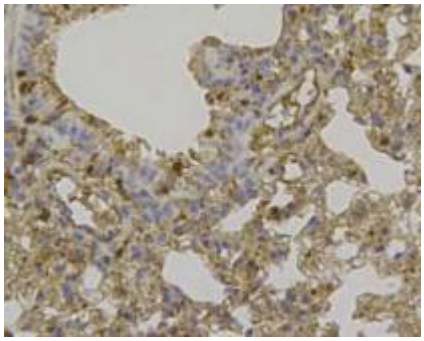

Fig3: Immunohistochemical analysis of paraffin- embedded mouse lung tissue using anti-CCL3 rabbit polyclonal antibody.

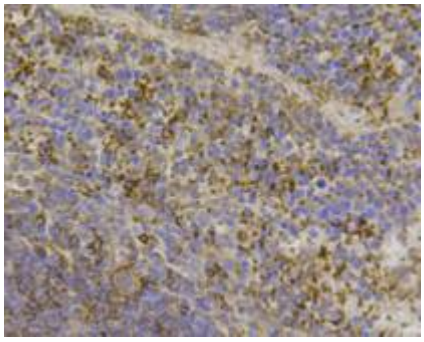

Fig4: Immunohistochemical analysis of paraffin- embedded mouse spleen tissue using anti-CCL3 rabbit polyclonal antibody.

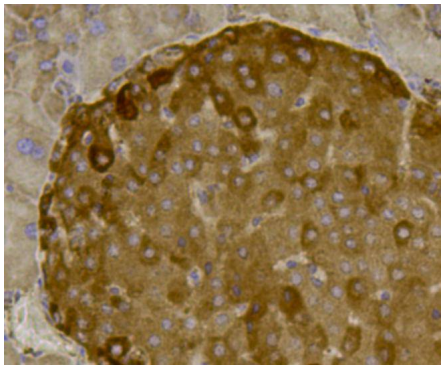

Fig5: Immunohistochemical analysis of paraffin- embedded mouse pancreas tissue using anti-CCL3 rabbit polyclonal antibody.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Wong L et al. Experimental autoimmune prostatitis induces microglial activation in the spinal cord. Prostate 75:50-9 (2015).
2. Tripathy D & Grammas P Acetaminophen protects brain endothelial cells against oxidative stress. Microvasc Res 77:289-96 (2009).