



Rabbit Anti-CCL3 antibody

SL1045R

Product Name CCL3**Chinese Name** 巨噬细胞炎症因子 1 α 抗体**Alias** Tonsillar lymphocyte LD78 alpha protein; CCL 3; CCL3; Chemokine C C motif ligand 3; Chemokine CC Motif Ligand 3; G0/G1 switch regulatory protein 19 1; G0S19 1; G0S19 1 protein; Heparin binding chemotaxis protein antibody L2G25B; LD78ALPHA; Macrophage inflammatory protein 1 alpha; MIP 1 alpha; MIP-1 Alpha; MIP 1A; MIP1A; PAT 464.1; SCYA 3; SCYA3; SIS alpha; SIS beta; Small inducible cytokine A3; Tonsillar lymphocyte LD78 alpha protein; CCL3_HUMAN; MIP-1 α ; MIP-1- α ; MIP 1 α ; MIP1 α ; MIP1- α .**Research Area** Tumour immunology**Immunogen Species** Rabbit**Clonality** Polyclonal**React Species** Rat, (predicted: Human, Mouse,)**Applications** IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.**Theoretical molecular weight** 8kDa**Cellular localization** Secretory protein**Form** Liquid**Concentration** 1mg/ml**immunogen** KLH conjugated synthetic peptide derived from human MIP-1 alpha: 41-92/92**Lsotype** IgG**Purification** affinity purified by Protein A**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Macrophage Inflammatory Protein 1 alpha (MIP1 alpha) and MIP1 beta, two closely related but distinct proteins, were originally co-purified from medium conditioned by a LPS-stimulated murine macrophage cell line. Mature mouse MIP1 alpha shares approximately 77% and 70% amino acid identity with human MIP1 alpha and mouse MIP1 beta, respectively. MIP1 proteins are expressed primarily in T cells, B cells, and monocytes after antigen or mitogen stimulation. Has adhesive effects on lymphocytes. MIP1 alpha can inhibit the proliferation of hematopoietic stem cells in vitro as well as in vivo. A signal transducing receptor, designated the C-C chemokine receptor-1 (C-C CKR-1) with seven transmembrane domains that bind MIP1 alpha, MIP1 beta, MCP1 and RANTES with varying affinities, has been isolated.

Function:

Monokine with inflammatory and chemokinetic properties. Binds to CCR1, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-alpha induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV).

Subunit:

Self-associates. Also heterodimer of MIP-1-alpha(4-69) and MIP-1-beta(3-69).

**Product
Detail**

Subcellular Location:

Secreted.

Post-translational modifications:

N-terminal processed form LD78-alpha(4-69) is produced by proteolytic cleavage after secretion from HTLV1-transformed T-cells.

Similarity:

Belongs to the intercrine beta (chemokine CC) family.

SWISS:

P10147

Gene ID:

6348

Database links:

[Entrez Gene: 6348](#) Human

[Entrez Gene: 20302](#) Mouse

[Entrez Gene: 25542](#) Rat

[Omim: 182283](#) Human

[SwissProt: P10147](#) Human

[SwissProt: P10855](#) Mouse

[SwissProt: P50229](#) Rat

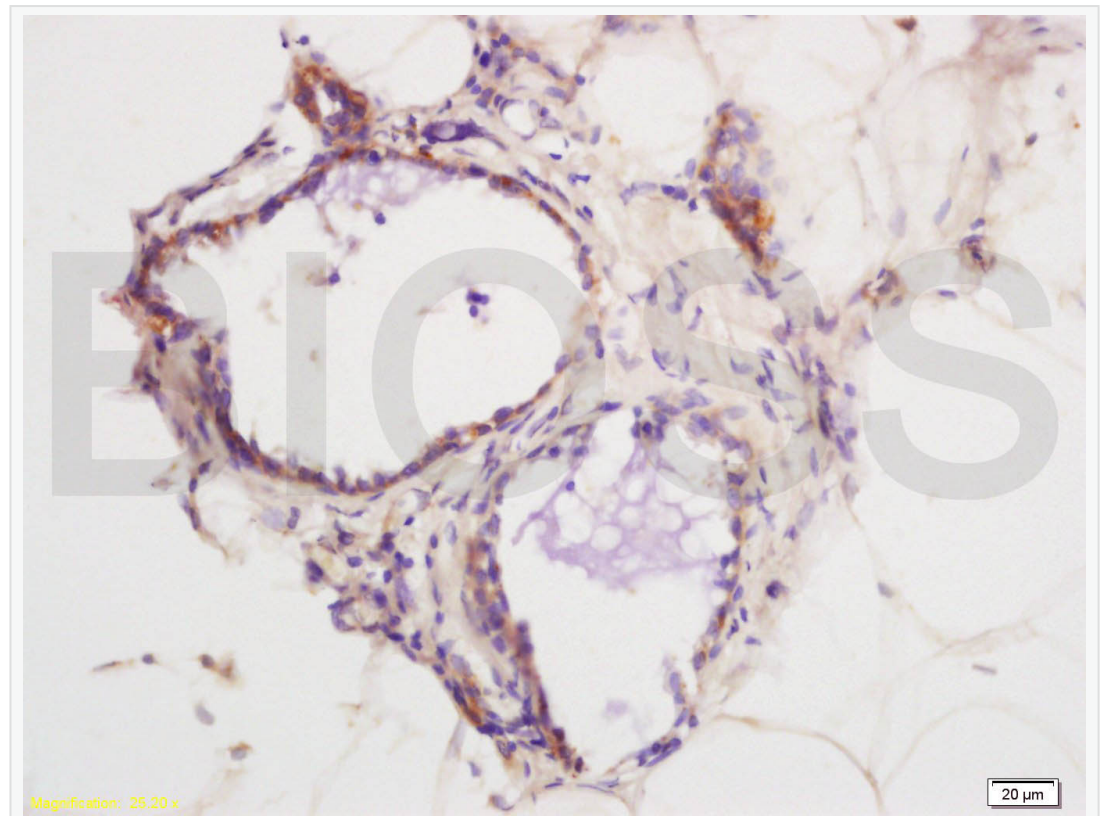
[Unigene: 514107](#) Human

[Unigene: 1282](#) Mouse

[Unigene: 10139](#) Rat

巨噬细胞炎症蛋白 1 α (MIP-1 α) 是 CCChemokine 中的一种。主要用于炎症、Tumour 方面的研究。

**Product
Picture**



Tissue/cell: rat exfoliated cells; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-MIP-1 Alpha/CCL3 Polyclonal Antibody,

Unconjugated(SL1045R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining