

LD78 beta/CCL3L1 Rabbit pAb

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Product Information

Application IHC-P, IHC-F, IF

Primary Accession
Host
Rabbit
Clonality
Polyclonal
Calculated MW
10161
Physical State
Liquid

Immunogen KLH conjugated synthetic peptide derived from human LD78 beta/CCL3L1

Epitope Specificity 31-93/93 **Isotype** IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Secreted.

SIMILARITY Belongs to the intercrine beta (chemokine CC) family.

Post-translational The N-terminal processed forms LD78-beta(3-70) and LD78-beta(5-70) are modifications produced by proteolytic cleavage after secretion from peripheral blood

monocytes. The cleavage to yield LD78-beta(3-70) is probably achieved by

DPP4.

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions This gene is one of several cytokine genes that are clustered on the q-arm of

chromosome 17. Cytokines are a family of secreted proteins that function in inflammatory and immunoregulatory processes. The protein encoded by this gene binds to several chemokine receptors, including chemokine binding protein 2 and chemokine (C-C motif) receptor 5 (CCR5). CCR5 is a co-receptor for HIV, and binding of this protein to CCR5 inhibits HIV entry. The copy number of this gene varies among individuals, where most individuals have one to six copies, and a minority of individuals have zero or more than six copies. There are conflicting reports about copy number variation of this gene and its correlation to disease susceptibility.[provided by RefSeq, Apr 2014]

Additional Information

Gene ID 414062;6349

Other Names C-C motif chemokine 3-like 1, G0/G1 switch regulatory protein 19-2,

LD78-beta(1-70), PAT 464.2, Small-inducible cytokine A3-like 1, Tonsillar lymphocyte LD78 beta protein, LD78-beta(3-70), LD78-beta(5-70), CCL3L1,

D17S1718, G0S19-2, SCYA3L1

Dilution IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name CCL3L1

Synonyms D17S1718, G0S19-2, SCYA3L1

Function Chemotactic for lymphocytes and monocytes. Is a ligand for CCR1, CCR3 and

CCR5. Is an inhibitor of HIV-1-infection. The processed form LD78-beta(3-70) shows a 20-fold to 30-fold higher chemotactic activity and is a very potent inhibitor of HIV-1-infection. LD78- beta(3-70) is also a ligand for CCR1, CCR3

and CCR5.

Cellular Location Secreted.

Background

This gene is one of several cytokine genes that are clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins that function in inflammatory and immunoregulatory processes. The protein encoded by this gene binds to several chemokine receptors, including chemokine binding protein 2 and chemokine (C-C motif) receptor 5 (CCR5). CCR5 is a co-receptor for HIV, and binding of this protein to CCR5 inhibits HIV entry. The copy number of this gene varies among individuals, where most individuals have one to six copies, and a minority of individuals have zero or more than six copies. There are conflicting reports about copy number variation of this gene and its correlation to disease susceptibility.[provided by RefSeq, Apr 2014]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.