

## ARG66080 anti-LD78 beta antibody (Biotin)

Package: 50 µg  
Store at: 4°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Biotin-conjugated Goat Polyclonal antibody recognizes LD78 beta   |
| Tested Reactivity   | Hu  |
| Tested Application  | ELISA, WB   |
| Host                | Goat  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | LD78 beta   |
| Species             | Human   |
| Immunogen           | E. coli derived recombinant Human LD78 beta.<br>(APLAADPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPSV IFLTKRGRQV CADPSEEWVQ KYVSDLELSA)   |
| Conjugation         | Biotin  |
| Alternate Names     | C-C motif chemokine 3-like 1; Small-inducible cytokine A3-like 1; D17S1718; SCYA3L1; 5-70; 464.2; Tonsillar lymphocyte LD78 beta protein; LD78BETA; PAT 464.2; LD78-beta; G0/G1 switch regulatory protein 19-2; 1-70; 3-70; SCYA3L; GOS19-2; LD78 |

### Application Instructions

| Application table | Application  | Dilution   |
|-------------------|--|--|
|                   | ELISA  | Direct: 0.25 - 1.0 µg/ml<br>Sandwich: 0.25 - 1.0 µg/ml with ARG66079 as a capture antibody |
|                   | WB   | 0.1 - 0.2 µg/ml  |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |  |

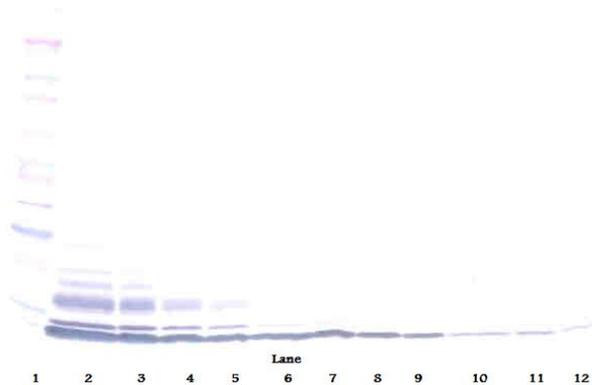
### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purified by affinity chromatography.   |
| Buffer              | PBS (pH 7.2)   |
| Concentration       | 1 mg/ml  |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

## Bioinformation

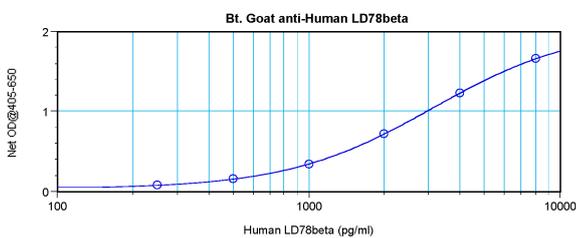
|                |  |
|----------------|--|
| Gene Symbol    | CCL3L3   |
| Gene Full Name | chemokine (C-C motif) ligand 3-like 3  |
| Background     | This gene is one of several cytokine genes that are clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins that function 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] |
| 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. [UniProt]   |
| Calculated Mw  | 10 kDa   |
| PTM            | The N-terminal processed forms LD78-beta(3-70) and LD78-beta(5-70) are produced by proteolytic cleavage after secretion from peripheral blood monocytes. The cleavage to yield LD78-beta(3-70) is probably achieved by DPP4.   |

## Images



ARG66080 anti-LD78 beta antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human LD78 $\beta$  stained with ARG66080 anti-LD78 beta antibody (Biotin), under non-reducing conditions.

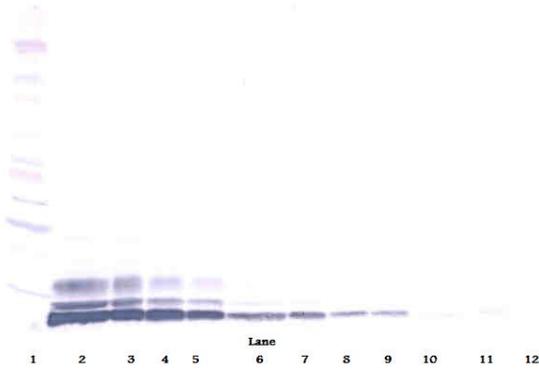


ARG66080 anti-LD78 beta antibody (Biotin) standard curve image

Direct ELISA: ARG66080 anti-LD78 beta antibody (Biotin) at 0.25 - 1.0  $\mu$ g/ml results of a typical standard run with optical density reading at 405 - 650 nm.

### ARG66080 anti-LD78 beta antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human LD78 $\beta$  stained with ARG66080 anti-LD78 beta antibody (Biotin), under reducing conditions.



### ARG66080 anti-LD78 beta antibody (Biotin) standard curve image

Sandwich ELISA: ARG66080 anti-LD78 beta antibody (Biotin) as a detection antibody at 0.25 - 1.0  $\mu\text{g}/\text{ml}$  combined with ARG66079 anti-LD78 beta antibody as a capture antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.

