For Research Use Only

CCL18/MIP-4
Polyclonal ANTIBODY
Catalog Number:22303-1-AP 1 Publications

Basic Information
Catalog Number: 22303-1-AP
Size: 40 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number:
GenBank Accession Number: NM_002988
GeneID (NCBI): 6362
Full Name: chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
Calculated MW: 10 kDa
Observed MW:
Recommended Dilutions: IHC 1:50-1:500

Applications
Tested Applications: IHC, ELISA
Cited Applications: IHC
Species Specificity: human
Cited Species: human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:
IHC: human heart tissue; human tonsillitis tissue, human pancreas tissue

Background Information
CCL18 is a small cytokine belonging to the CC chemokine family. The effector functions that CCL18 exerts on the immune system is mainly on the adaptive immune system, while being produced and secreted mainly by innate immune system. Although the functions of CCL18 have been well studied in vitro, physiological effects of CCL18 in vivo have been difficult to characterize because there is no murine analog of CCL18. Only recently has the receptor for CCL18 been identified, and further characterization of CCL18 interactions with its receptor will lead to better understanding of the physiological role of CCL18 in humans.

Notable Publications
Author: Zhirong Sun
Pubmed ID: 30216450
Journal: J Cell Physiol
Application: IHC

Storage
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (312) 455-8498 (outside USA)
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Selected Validation Data

Immunohistochemistry of paraffin-embedded human heart tissue slide using 22303-1-AP CCL18/MIP-4 antibody at dilution of 1:200 (under 10x lens).

Immunohistochemistry of paraffin-embedded human heart tissue slide using 22303-1-AP CCL18/MIP-4 antibody at dilution of 1:200 (under 40x lens).