



Anti-CCL18 monoclonal antibody, clone 23G4 (CABT-BL8448)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Human CCL18, minimum cross reactivity to other CC chemokines
Immunogen	Full length recombinant human CCL18 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	23G4
Affinity Constant	1.08×10^{-9} M
Purification	Protein A purification
Conjugate	Unconjugated
Applications	TIA, ELISA, WB
Format	Liquid
Size	100 µl
Buffer	0.22 µM filtered solution of PBS, pH 7.4
Preservative	None
Storage	This antibody is shipped at 4°C. This product is stable for 12 months from date of receipt when stored at -20°C to -70°C. Avoid freeze/thaw cycles.

BACKGROUND

Introduction

Chemokine (C-C motif) ligand 18 (CCL18) is a 69 amino acid residue cytokine matured from an 89 amino acid precursor protein found only in human. It belongs to the CC chemokine family, with putative molecular weight of 7.8 KD. Its synonyms are PARC, DC-CK1, AMAC-1, and MIP-4. CCL18 is produced majorly by antigen-presenting dendritic cells, monocytes, and macrophages. Its production is regulated by IFN-gamma, IL-10, IL-4, and IL-13. Recently three receptors have been characterized for CCL18: PITPNM3, GPR30, and CCR8. CCL18 primarily regulates recruitment of the adaptive immune system and attracts lymphocytes including T cells, B cells, and dendritic cells. It is involved into fibrotic lung diseases, allergy, autoimmune diseases, breast cancer, and acute lymphocytic leukemia.

GENE INFORMATION

Entrez Gene ID	6362
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UniProt ID	P55774
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