



# Anti-CCL18 monoclonal antibody, clone 23C0 (CABT-BL8447)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Human CCL18, minimum cross reactivity to other CC chemokines
<b>Immunogen</b>	Full length recombinant human CCL18 protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	23C0
<b>Affinity Constant</b>	$5.31 \times 10^{-10} \text{ M}$
<b>Purification</b>	Protein A purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	TIA, ELISA, WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	0.22 µM filtered solution of PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	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](#)

## UniProt ID

[P55774](#)