



Anti-CCL18 monoclonal antibody, clone 3D7 (CABT-19485MH)

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

PRODUCT INFORMATION

Antigen Description	This gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for naive T cells, CD4+ and CD8+ T cells and nonactivated lymphocytes, but not for monocytes or granulocytes. This chemokine attracts naive T lymphocytes toward dendritic cells and activated macrophages in lymph nodes. It may play a role in both humoral and cell-mediated immunity responses. Mouse monoclonal antibody raised against a partial recombinant CCL18.
Immunogen	CCL18 (NP_002979, 21 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	3D7
Conjugate	Unconjugated
Applications	WB,IP,ELISA
Sequence Similarities	AQVGTNKELCCLVYTSWQIPQKFIVDYSETSPQCPKPGVILLTKRGRQICADPNKKWVQK YISDLKLNA*
Size	100 µg
Buffer	In 1x PBS, pH 7.2

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CCL18 chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated) [Homo sapiens]
Official Symbol	CCL18
Synonyms	chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated); Dendritic cell chemokine 1; DCCK1; Macrophage inflammatory protein 4; PARC; Pulmonary and activation-regulated chemokine; AMAC-1; Small-inducible cytokine A18; DC-CK1; CC chemokine PARC; MIP-4; C-C motif chemokine 18; AMAC1; CC chemokine ligand 18; SCYA18; chemokine (C-C), dendritic; CKb7; small inducible cytokine A18; small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary and activation-regulated; MIP4; Alternative macrophage activation-associated CC chemokine 1; OTTHUMP00000163954; small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary and activation-regulated
Entrez Gene ID	6362
Protein Refseq	NP_002979
UniProt ID	P55774
Chromosome Location	17q11.2
Pathway	Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem
Function	chemokine activity