

PE anti-mouse CCL17 (TARC) Recombinant Antibody

Catalog# / Size	167303 / 25 µg 167304 / 100 µg
Clone	A20096E.Rec
Regulatory Status	RUO
Other Names	CC chemokine TARC, C-C motif chemokine 17, CCL17, chemokine (C-C motif) ligand 17, small inducible cytokine subfamily A (Cys-Cys), member 17, Small-inducible cytokine A17, T cell-directed CC chemokine, TARC, Thymus and activation-regulated chemokine
Isotype	Rat IgG2b, κ
Description	CCL17 was initially isolated from phytohemagglutinin-stimulated PBMCs. CCL17 is constitutively expressed in thymus and, upon activation, in several cell types. CCL17-mediated recruitment of Th2 cells and CLA+ CD4+ T cells and play key roles in allergic diseases like atopic dermatitis, allergic asthma, allergic rhinitis, and allergic contact dermatitis. In addition, CCL17 has been detected in idiopathic pulmonary fibrosis. CCL17 and CCL22 secreted by DCs seem to mediate the recruitment of Tregs to sites of inflammation in patients with chronic hepatitis. In addition, CCL17 is present in advanced human and mouse atherosclerosis, and CCL17+ DCs accumulate in atherosclerotic lesions. CCL17 expressed by DCs limit the expansion of Tregs. CCL17 is upregulated by a combination of cytokines (TNFα, IL-4, and IFNγ) in bronchial epithelial cells; TGFβ1, TNFα, and IFNγ in the human keratinocyte cell line; and histamine and prostaglandin E2P in immature DC.

Product Details

Isotype Control	PE Rat IgG2b, κ Isotype Ctrl
Verified Reactivity	Mouse
Antibody Type	Recombinant
Host Species	Rat
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	ICFC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by intracellular flow cytometry using our Cyto-Fast™ Fix/Perm Buffer Set. For flow cytometric staining, the suggested use of this reagent is ≤ 0.06 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance in each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
RRID	AB_3683195 (BioLegend Cat. No. 167303) AB_3683195 (BioLegend Cat. No. 167304)

Antigen Details

Structure	Chemokine
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Distribution	Upon activation, CCL17 is expressed by PBMCs, monocytes, dendritic cells, bronchial epithelial cells, smooth muscle cells, keratinocytes, and fibroblasts.
Function	CCL17 chemoattracts T cells, Th2 cells, and CLA+ CD4+ T cells. It plays a major role in allergic diseases. CCL17 can be upregulated by IL-4 in T cells and by a combination of cytokines in different cells.
Interaction	T cells, Th2 cells, CLA+ CD4 T cells, T (reg) cells, NK cells, NKT cells, and macrophages
Ligand/Receptor	CCR4 (CD194)
Cell Type	Dendritic cells, Epithelial cells, Fibroblasts, Monocytes
Biology Area	Cell Biology, Signal Transduction
Molecular Family	Cytokines/Chemokines
Antigen References	<ol style="list-style-type: none"> 1. Imai T, <i>et al.</i> 1997. <i>J Biol Chem.</i> 272:15036-42. 2. Mcllroy A, <i>et al.</i> 2006. <i>Immunology.</i> 117:507-16. 3. Yogo Y, <i>et al.</i> 2009. <i>Respir Res.</i> 10:80. 4. Stutte S, <i>et al.</i> 2010. <i>P Natl Acad Sci USA.</i> 107:8736-41. 5. Oo YH, <i>et al.</i> 2010. <i>J Immunol.</i> 184:2886-98. 6. Weber C, <i>et al.</i> 2011. <i>J Clin Invest.</i> 121:2898-910.
Gene ID	20295

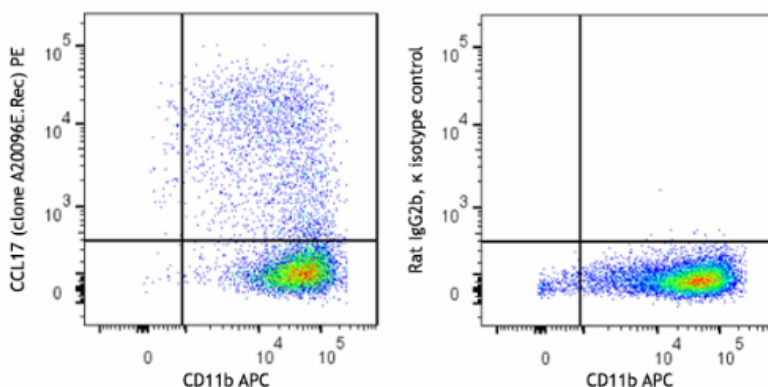
Related Protocols

- [Intracellular Flow Cytometry Staining Protocol](#)

Other Formats

PE anti-mouse CCL17 (TARC) Recombinant Antibody, Purified anti-mouse CCL17 (TARC) Recombinant Antibody

Product Data



GM-CSF generated bone marrow derived dendritic cells (BMDCs) were treated with 1X Monensin (Cat. No. 420701) for 16-24 hours and surface stained with anti-mouse/human CD11b (clone M1/70) APC. Cells were then fixed and permeabilized with Cyto-Fast™ Fix/Perm Buffer (Cat. No. 426803) and then intracellularly stained with anti-mouse CCL17 (TARC) recombinant (clone A20096E.Rec) PE (left) or rat IgG2b, κ PE isotype control (right).

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