

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CCL17/TARC in ELISAs. Does not cross-react with recombinant human (rh) CCL2, 3, 4, 5, 7, 8, 11, 13, 16, 18, 19, 20, 21, 22, 23, 24, 25, rmCCL2, 3, 4, 5, 7, 9/10/MIP-1 γ, 11, 12, 21, 22, 25, or rrCCL20.
Source	Monoclonal Mouse IgG ₁ Clone # 54026
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human CCL17/TARC Ala24-Ser94 Accession # Q92583.1
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Neutralization	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CCL17 is a novel CC chemokine identified using a signal sequence trap method. CCL17 cDNA encodes a highly basic 94 amino acid (aa)residue precursor protein with a 23 aa residue signal peptide that is cleaved to generate the 71 aa residue mature secreted protein. Among CC chemokine family members, CCL17 has approximately 24-29% amino acid sequence identity with RANTES, MIP-1α, MIP-1β, MCP-1, MCP-2, MCP-3, and I-309. The gene for human CCL17 has been mapped to chromosome 16q13 rather than chromosome 17 where the genes for many human CC chemokines are clustered. CCL17 is constitutively expressed in thymus, and at a lower level in lung, colon, and small intestine. CCL17 is also transiently expressed in stimulated peripheral blood mononuclear cells. Recombinant CCL17 has been shown to be chemotactic for T cell lines but not monocytes or neutrophils. CCL17 was identified to be a specific functional ligand for CCR4, a receptor that is selectively expressed on T cells.

PRODUCT SPECIFIC NOTICES

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