

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CCL25/TECK in direct ELISAs and Western blots. Shows less than 1% cross-reactivity with recombinant mouse CCL25 and recombinant rat CINC-1 and no cross-reactivity with recombinant human (rh)CCL28, recombinant mouse (rm)CCL28, rhMPIF-1,
Source	Monoclonal Mouse IgG ₁ Clone # 52529
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human CCL25/TECK Gln24-Leu150 Accession # AAB69981
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.
Western Blot	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

CCL25 (thymus-expressed chemokine) is a novel CC chemokine that is distantly related (approximately 20% amino acid sequence identity) to other CC chemokines. Human CCL25 cDNA encodes a 150 amino acid residue precursor protein with a 23 amino acid residue signal peptide that is cleaved to yield a 127 residue mature protein. Mouse CCL25 cDNA has also been cloned and shown to encode a 144 amino acid protein that exhibits 49% amino acid sequence identity to human CCL25. The expression of human and mouse CCL25 was shown to be highly restricted to the thymus and small intestine. Although dendritic cells have been demonstrated to be the source of CCL25 production in the thymus, dendritic cells derived from bone marrow do not express CCL25. The gene for mouse CCL25 has been mapped to chromosome 8 rather than chromosome 11 where many mouse CC chemokines are clustered. Recombinant human and mouse CCL25 have been shown to be chemotactic for activated macrophages, dendritic cells and thymocytes. CCL25 has also been shown to be a specific agonist for the orphan receptor called GPR-9-6, now named CCR9.

PRODUCT SPECIFIC NOTICES

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