

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 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.