

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CCL15/MIP-1δ in direct ELISAs and Western blots. In direct ELISAs and Western blots, a preference for the 68 aa residue isoform over the 92 aa residue isoform of human CCL15/LKN-1 is shown. Neutralizes the biological activity
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CCL15/MIP-1δ Ser46-Ile113 Accession # Q16663
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

Neutralization	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

CCL15, also named Leukotactin-1 (LKN-1), MIP-5, HCC-2, and NCC-3, is a novel human CC chemokine whose gene was mapped to human chromosome 17 adjacent to the HCC-1 gene. CCL15/LKN-1, together with mouse C10, mouse MIP-1γ and human MPIF-1, constitute a subgroup of CC chemokines which contain six instead of four conserved cysteine residues. The two additional cysteine residues in CCL15/LKN-1 have been shown to form a third disulfide bond CCL15/LKN-1 cDNA encodes a 113 amino acid (aa) residue precursor protein with a putative signal peptide of 21 aa residues that is cleaved to generate a 92 aa residue mature protein. In recombinant CCL15/LKN-1 preparations produced in insect cells and in yeast, amino-terminal truncations were found to have occurred. The major forms of CCL15/LKN-1 secreted by insect cells and yeast were reported to be proteins of 68 and 66 aa residues, respectively. The full length and the amino-terminal truncated forms of human CCL15/LKN-1 have been shown to be potent chemoattractants for monocytes and T-lymphocytes. These proteins can also chemoattract eosinophils and have been shown to induce calcium flux in human CCR1 transfected cells. Additionally, CCL15/LKN-1 can suppress colony formation by human granulocyte-macrophage, erythroid, and multipotential progenitor cells stimulated by combinations of growth factors.

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.