

CCL24/Eotaxin-2 Protein, Rat (93aa)

Cat. No.:	HY-P700009
Synonyms:	rRtEotaxin-2/CCL24; C-C motif chemokine 24; CK-beta-6; MPIF-2; MPIF2; SCYA24
Species:	Rat
Source:	E. coli
Accession:	Q5PPP2 (V27-V119)
Gene ID:	288593
Molecular Weight:	approximately 13.97 kDa

PROPERTIES

AA Sequence	<p>V T I P S S C C V T F I S K K I P V N R V I S Y Q L A N G S I C P K A G V I F I</p> <p>T K K G H K I C T D P K L P W V Q K H I K N L D A K R N Q P S E G A K A L G P K</p> <p>F V I Q K L R G N S T K V</p>
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>CCL24, also known as eosinophil chemotactic protein 2 (eotaxin-2) and myeloid progenitor inhibitory factor 2 (MPIF-2), is a small cytokine of the CC chemokine family, located on chromosome 7 in the human genome. CCL24 is highly chemotactic for resting T lymphocytes and eosinophils and has low chemotactic activity for neutrophils, but not for monocytes and activated lymphocytes. By binding to its sole receptor CCR3, of which CCR3 is present mainly on eosinophils, but also on basophils, monocytes, Th2 lymphocytes, epithelial cells and airway smooth muscle. CCL24 mainly mediates atopic diseases, parasitic infections and systemic diseases, but also promotes cellular transport and regulates inflammatory and fibrotic activities^{[1][2]}.</p>
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REFERENCES

[1]. Hui Li, et al. Trophoblasts-derived chemokine CCL24 promotes the proliferation, growth and apoptosis of decidual stromal cells in human early pregnancy. *Int J Clin Exp Pathol*. 2013 May 15;6(6):1028-37.

[2]. Michal Segal-Salto, et al. A blocking monoclonal antibody to CCL24 alleviates liver fibrosis and inflammation in experimental models of liver damage. *JHEP Rep*. 2020 Jan 2;2(1):100064.

Caution: Product has not been fully validated for medical applications. For research use only.

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