

Datasheet for ABIN2666905
CCL25 Protein (AA 24-144)



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Overview

Quantity:	10 µg
Target:	CCL25
Protein Characteristics:	AA 24-144
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Purity:	> 98 % , as determined by Coomassie stained SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 0.01 ng per µg cytokine as determined by the LAL method.

Target Details

Target:	CCL25
Alternative Name:	CCL25 (CCL25 Products)
Background:	CCL25, which signals through CCR9 receptor, is mainly expressed in the thymus and small intestine. In the thymus, CCL25 contributes to correct thymocyte maturation by promoting CD4+CD8+ thymocyte trafficking through the cortex via α4β1-dependent adhesion to VCAM-1, and also stimulates CD4+CD8- cell attachment to fibronectin in the medulla. In the small

Target Details

intestine, CCL25 is expressed by intestinal epithelium and controls segmental specialization of the intestinal immune system by recruiting gut-specific memory/effector T cells. CCL25 also promotes melanoma, ovarian cancer, breast cancer, leukemia, and prostatic carcinoma cell migration. A recent report shows that multiple myeloma cells can produce CCL25 and induce mesenchymal stromal cell migration. Bone marrow pre-pro-B cells also migrate in response to CCL25. CCL25 expression can be induced in the liver of patients with primary sclerosing cholangitis. Intestinal epithelial cell expression of CCL25 is also reduced in HIV-positive individuals.

Molecular Weight: The 121 amino acid recombinant protein has a predicted molecular mass of approximately 16 kDa. The DTT-reduced and non-reduced protein migrate at approximately 16 kDa by SDS-PAGE. The N-terminal amino acid is Glutamine.

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Biological activity: Bioactivity was measured by its ability to chemoattract Baf3-hCCR9 cells in a dose dependent manner.

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: For maximum results, quick spin vial prior to opening. Stock solutions should be prepared at no less than 10 µg/mL in sterile buffer (PBS, HPBS, DPBS, and EBSS) containing carrier protein such as 1 % BSA or HSA. After dilution, the cytokine can be stored between 2 °C and 8 °C for one month or from -20 °C to -70 °C for up to 3 months.

Buffer: 0.22 µm filtered protein solution is in PBS.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Unopened vial can be stored between 2°C and 8°C for three months, at -20°C for six months, or at -70°C for one year.