

Datasheet for ABIN2666600 **CCL17 Protein (AA 24-94)**



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Overview

Quantity:	10 µg
Target:	CCL17
Protein Characteristics:	AA 24-94
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Flow Cytometry (FACS)

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:	CCL17
Alternative Name:	CCL17 (CCL17 Products)
Background:	CCL17 was initially isolated from phytohemagglutinin-stimulated PBMC. CCL17 is constitutively expressed in the thymus and, under activation, in several cell types. CCL17-mediated recruitment of Th2 cells and CLA+ CD4+ T cells plays a key role in allergic diseases like atopic dermatitis, allergic asthma, allergic rhinitis, and allergic contact dermatitis. In addition, CCL17

Target Details

has been detected in idiopathic pulmonary fibrosis. Also, CCL17 and CCL22 secreted by DC seem to mediate the recruitment of regulatory T cells to sites of inflammation in patients with chronic hepatitis. CCL17 is upregulated by several combinations of cytokines: TNF α , IL-4, and IFN γ in bronchial epithelial cells, TGF β 1, TNF α , and IFN γ in human keratinocyte cell lines, and histamine and prostaglandin E2P in immature DC.

Molecular Weight: The 71 amino acid recombinant protein has a predicted molecular mass of approximately 8 kDa. The DTT-reduced protein migrates at approximately 10 kDa and non-reduced protein migrates at approximately 11 kDa by SDS-PAGE. The N-terminal amino acid is Ala.

Application Details

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

Comment: Biological activity: Bioactivity was measured by its property to chemoattract Baf3-hCCR4 transfectans cells in a dose dependent manner.

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: For maximum results, quick spin vial prior to opening. The protein can be aliquoted and stored from -20 °C to -70 °C. Stock solutions can also be prepared at 50-100 μ g/mL in sterile buffer (PBS, HPBS, DPBS, or EBSS) containing carrier protein such as 0.2-1 % BSA or HSA and stored in working aliquots at -20 °C to -70 °C.

Buffer: 0.22 μ m 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 one month, at -20°C for six months, or at -70°C for one year.