Datasheet for ABIN2666918

CXCL17 Protein (AA 24-119)

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Overview

Quantity:	25 µg
Target:	CXCL17
Protein Characteristics:	AA 24-119
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:	CXCL17
Alternative Name:	CXCL17 (CXCL17 Products)
Background:	CXCL17 is the latest identified member of the CXC chemokine family and may contribute to tumor angiogenesis and progression. Ectopic expression of human CXCL17 in HUVEC significantly upregulated the RNA level of genes involved in angiogenesis including VEGF-A and basic FGF. NIH3T3 cells overexpressing human or mouse CXCL17 developed rapid growing

Target Details

	tumors in mice. In vitro chemotaxis assay shows that human CXCL17 can induce migration of CD14+ monocytes and CD11c+ immature dendritic cells from human peripheral blood, and mouse CXCL17 can induce CD11b+Gr1highF4/80- cells from mouse spleen cells. CXCL17 also shows broad antimicrobial activity by disrupting bacterial membrane. High levels of CXCL17 have been detected in bronchoalveolar lavage fluid of patients with idiopathic pulmonary fibrosis.
Molecular Weight:	The 96 amino acid recombinant protein has a predicted molecular mass of approximately 11.3 kDa. The DTT-reduced protein migrates at approximately 11.3 kDa and non-reduced protein migrates at approximately 24 kDa by SDS-PAGE. The N-terminal amino acid is L

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Biological activity: Bioactivity was measured by its antimicrobial activity (E.coli) 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.