

Datasheet for ABIN2666634
CXCL11 Protein (AA 22-94)



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Overview

Quantity:	10 µg
Target:	CXCL11
Protein Characteristics:	AA 22-94
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:	CXCL11
Alternative Name:	CXCL11 (CXCL11 Products)
Background:	CXCL11 is a CXC chemokine lacking the ELR (Glutamate-Leucine-Arginine) tripeptide motif, which is functionally and structurally related to CXCL9 and CXCL10. CXCL11, together with CXCL9 and CXCL10, specifically binds to the G protein-coupled receptor CXCR3 and is involved in chemotaxis of immune cells and angiogenesis. Expression of both CXCR3 and CXCL11 by

Target Details

the Th1-associated cytokine IFN γ creates an amplification loop of cell-mediated immune response between Th1 cells. CXCR7 has been identified as an alternate receptor for CXCL11 and is involved in growth, survival, and adhesion of tumor cells.

Molecular Weight: The 74 amino acid recombinant protein has a predicted molecular mass of approximately 8.3 kDa. The DTT-reduced protein migrates at approximately 11 kDa and non-reduced protein migrates at approximately 13 kDa by SDS-PAGE. The N-terminal amino acid is Meth

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-mCXCR3 transfectants in a dose dependent manner. The ED50 = 1 - 5 ng/m L.

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.