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Datasheet for ABIN2667391 CXCL9 Protein (AA 22-126)

Overview

Quantity:	10 µg
Target:	CXCL9
Protein Characteristics:	AA 22-126
Origin:	Mouse
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:	CXCL9
Alternative Name:	CXCL9 (CXCL9 Products)
Background:	<p>CXCL9 is an inflammatory chemokine initially identified by differential screening of a cDNA library from limphokine-activated macrophages. CXCL9 is a CXC chemokine and member of the non-ELR (lacking a Glu-Leu-Arg motif in the N-terminal region) CXC chemokine family.</p> <p>CXCL9 shares the CXCR3 receptor with CXCL10 and CXCL11, and these ligands differ in their</p>

Target Details

receptor-binding and activating properties, CXCL11 is more potent than CXCL10 and CXCL10 is more potent than CXCL9.

Molecular Weight: The 105 amino acid recombinant protein has a predicted molecular mass of approximately 12 kDa. The DTT-reduced protein migrates at approximately 15 kDa and non-reduced protein migrates at approximately 18 kDa by SDS-PAGE. The N-terminal amino acid is Thre

Application Details

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

Comment: Biological activity: Bioactivity was measured by its property to chemoattract human T cells activated with PHA and IL-2 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 µg/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 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 one month, at -20°C for six months, or at -70°C for one year.