PRODUCT INFORMATION

CXCL11 (C-X-C motif chemokine 11), Mouse

Catalog number	C02081-5UG / C02081-20UG / C02081-100UG
Package	5 μg / 20 μg / 100 μg
Description	CXCL11 has functional and structural relationship with CXCL9 and CXCL10. This CXC chemokine lacks a ELR (Glutamate-Leucine-Arginine) tripeptide motif.. Similar to CXCL9 and CXCL10, CXCL11 can specifically bind to the G protein-coupled receptor CXCR3 and involve in chemotaxis of immune cells and angiogenesis. Expression of both CXCR3 and CXCL11 by The Th1-associated cytokine IFNγ can express both CXCR3 and CXCL11 and create an amplification loop of cell-mediated immune response between Th1 cells.
Source	*Escherichia coli*
Sequence	FLMFKQGRCLCIGPGMKAVKMAEIEKASVIYPSNGCDKVEVIVTMKAHKRQRCL DPRSKQARLIMQAIEKKNFLRRQNM with polyhistidine tag at the N-terminus
Endotoxin level	<0.1 EU per 1 μg of the protein by the LAL method.
Activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR3 The ED_{50} for this effect is <10 ng/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.

SDS-PAGE analysis of recombinant mouse CXCL11

For Research Use Only.