HB220411

Recombinant Mouse CXCL16 (Mouse CXCL16)

Product Information

Product Name	Cat#	Size
Recombinant Mouse CXCL16 (Mouse CXCL16)	90933ES08	5 μg
	90933ES60	100 μg
	90933ES76	500 μg

Product Description

CXCL16 is a member of the CXC chemokine family. Mouse CXCL16 has 246 a.a. and consists of a 26 a.a. residue putative signal peptide, an 88 a.a. residue chemokine domain, an 87 a.a. residue mucin-like spacer region, a 22 a.a. residue transmembrane domain, and a 23 a.a. residue cytoplasmic tail. Mouse and human CXCL16 share 49% overall aa identity and 70% similarity in the chemokine domains. CXCL16 is a transmembrane chemokine and is implicated in activated CD8+ T cell trafficking. CXCL16 mediates adhesion and phagocytosis of both Gram-negative and Gram-positive bacteria and is a strong chemoattractant for CXCR6+ T cells. It facilitates uptake of low density lipoproteins by macrophages, resulting in foam cell formation.

Product Properties

Synonyms	SR-PXOX, Scavenger Peceptor for Phosphatidylserine and Oxidized Low Density Lipoprotein, Small-inducible Cytokine B16, Transmembrane Chemokine CXCL16
Accession	Q8BSU2
GeneID	66102
Source	E.coli-derived mouse CXCL16 protein, Asn27-Pro114.
Molecular Weight	Approximately 9.9 kDa.
AA Sequence	NQGSVAGSCS CDRTISSGTQ IPQGTLDHIR KYLKAFHRCP FFIRFQLQSK SVCGGSQDQW VRELVDCFER KECGTGHGKS FHHQKHLP
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	>98% by SDS-PAGE and HPLC analyses.
Biological Activity	The biological activity determined by a chemotaxis bioassay using mouse lymphocytes is in a concentration of 20-1000 ng/mL. Fully biologically active when compared to standard.
Endotoxin	< 1.0 EU per 1μg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in PBS.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20℃. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20℃ to -80℃ for 1 year.
Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.

2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!