HB220402

Recombinant Bovine Monokine Induced by Interferon-gamma/CXCL9 (Bovine MIG/CXCL9)

Product Information

Product Name	Cat#	Size
Recombinant Bovine Monokine Induced by Interferon-gamma/CXCL9 (Bovine MIG/CXCL9)	90947ES10	10 μg
	90947ES60	100 μg
	90947ES76	500 μg

Product Description

Chemokine CXCL9 is a member of the CXC family and has an important role in the chemotaxis of immune cells. The mouse CXCL9 shares 75% and 88% a.a. sequence identity with human and rat CXCL9. Accumulated experimental evidence supports that monokine induced by interferon (IFN)-gamma (CXCL9), a member of CXC chemokine family and known to attract CXCR3- (A and B) T lymphocytes, is involved in the pathogenesis of physiologic diseases during their initiation and their maintenance. It is a cytokine that affects the growth, movement, or activation state of cells that participate in immune and inflammatory response and chemotactic for activated T-cells.

Product Properties

Synonyms	C-X-C motif chemokine 9, CXCL9, Gamma-interferon-induced Monokine, Humig, MIG, Small-inducible Cytokine B9
Accession	A9QWP9
GeneID	513990
Source	E.coli-derived bovine MIG/CXCL9 protein, Val22-Thr125 .
Molecular Weight	Approximately 11.9 kDa.
AA Sequence	VPAIRNGRCS CINTSQGMIH PKSLKDLKQF APSPSCEKTE IIATMKNGNE ACLNPDLPEV KELIKEWEKQ VNQKKKQRKG KKYKKTKKVP KVKRSQRPSQ KKTT
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	>96% by SDS-PAGE and HPLC analyses.
Biological Activity	The biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 0.1-1.0 ng/mL. Fully biologically active when compared to standard.
Endotoxin	< 0.1 EU per 1μg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, pH 7.0, 500 mM NaCl.
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!