Recombinant Feline CXCL9 (MIG)

Cat. No. CXCL9-66F **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Feline MIG/CXCL9 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Feline
Source	Yeast
Description	Chemokine (C-X-C motif) ligand 9 (CXCL9) is a small cytokine belonging to the CXC chemokine family. It is also commonly known as Monokine Induced by Gamma interferon (MIG). CXCL9 (MIG) is a T-cell chemoattractant, which is induced by IFN-gamma. It is closely related to two other CXC chemokines -CXCL10 and CXCL11. There have been 17 different C-X-C chemokines described in mammals, that are subdivided into two categories, those with a specific amino acid sequence (or motif) of glutamic acid-leucine-arginine (or ELR for short) immediately before the first cysteine of the C-X-C motif (ELR-positive), and those without an ELR motif (ELR-negative). ELR-positive C-X-C chemokines specifically induce the migration of neutrophils, and interact with chemokine receptors CXCR1 and CXCR2. C-X-C chemokines that lack the ELR motif are chemoattractant for lymphocytes. CXCL9 (MIG) elicits its effects by binding to the cell surface chemokine receptor CXCR3.
Form	Lyophilized
Molecular Mass	12.1 kDa
AA Sequence	TLIMRNRRCF CINTSQGTIH LKSLKDLKQF APSPSCEKTE IIVTMKNGDQ

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	TCLNPDSADV QELIKEWEKQ VSQKKKQKKG KKNQKSRKIF KVKKSQHPHQ KKTT (104)
Applications	The Feliine CXCL9/MIG protein can be used in cell culture, as an MIG ELISA Standard, and as a Western Blot Control.
Storage	-20 C

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