

MIG Human E. coli

Product Data Sheet

Type: Recombinant	Cat. No.:	
Source: E. coli	RBG10223005	(5 µg)
Species: Human	RBG10223020	(20 µg)
Other names: Monokine Induced by Interferon-gamma, CXCL9	RBG10223100	(100 µg)

Description

MIG, a CXC chemokine, is produced by IFN- γ stimulated monocytes, macrophages and endothelial cells. It signals through the CXCR3 receptor. MIG selectively chemoattracts Th1 lymphocytes, and also exerts other activities, including inhibition of tumor growth, angiogenesis, and inhibition of colony formation of hematopoietic progenitors. Human MIG is active on murine cells. Recombinant Human MIG is an 11.7 kDa protein containing 103 amino acid residues, including the four highly conserved cysteine residues present in CXC chemokines.

Research topic

Cardiovascular disease, Chemokines, Coronary artery disease, Cytokines and chemokines and related molecules, Immune Response, Infection and Inflammation, Transplantation

Amino Acid Sequence

TPVVRKGRCS CISTNQGTIH LQSLKDLKQF APSPSCEKIE IIATLKNQVQ TCLNPDSADV KELIKKWEKQ VSQKKKQKNG
KKHQKKKVLK VRKSQRSRQK KTT

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to chemoattract human peripheral blood T lymphocytes using a concentration range of 10.0-100.0 ng/ml.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-0.5 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

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