

32-20290: Recombinant Human MIA(Discontinued)

Reactivity : Human

Alternative Name : Melanoma Inhibitory Activity, Cartilage-derived retinoic acid-sensitive protein (CD-RAP)

Description

Source:E.coli

MIA is the first discovered member of a family of secreted cytokines termed the MIA/OTOR family. The four known members of this family, MIA, MIA-2, OTOR and TANGO, each contain a Src homology-3 (SH3)-like domain. MIA is an autocrine growth regulatory protein, secreted from chondrocytes and malignant melanoma cells, that promotes melanoma metastasis by binding competitively to fibronectin and laminin in a manner that results in melanoma cell detachment from the extracellular matrix in vivo. Elevated levels of MIA may represent a clinically useful marker for diagnosis of melanoma metastasis, as well as a potential marker for rheumatoid arthritis. Recombinant Human MIA is a 12.2 kDa globular protein containing 108 amino acid residues, including two intramolecular disulfide bonds.

Product Info

Amount : 5 µg / 20 µg

Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : MGPMPLADR KLCADQEC SH PISMAVALQD YMAPDCRFLT IHRGQVVYVF SKLKGRGRFLF
WGGSVQGDYY GDLAARLGYF PSSIVREDQT LKPGKVDVKT DKWDFYCQ

Application Note

The ED_{50} was determined by the dose-dependant proliferation of the human A375 melanoma cell line. The expected ED_{50} for this effect is 4-6 µg/ml.