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32-6440: IL-9 Human, Sf9 Active

Application : Functional Assay
Alternative Name : Interleukin 9, Protein Il9, Il9, HP40, Cytokine P40, T-cell growth factor P40

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Interleukin-9 is a protein that acts as one of the regulators of hematopoiesis. IL-9 is an enhancer of cells and megakaryoblastic leukemic cellsÂ’ growth. Among this proteinÂ’s producers we can find cells like mast cells, Treg, NKT cells, Th17, Th2, ILC2, and Th9 cells in various amounts. Th9 are the primary CD4 cells (T cells) that IL-9 is produced in.
IL-9 Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 132 amino acids (19-144 aa) and having a molecular mass of 14.9kDa.IL-9 is fused to a 6 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The IL-9 solution (0.5mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	QGCPTLAGIL DINFLINKMQ EDPASKCHCS ANVTSCLCLG IPSDNCTRPC FSERLSQMTNTTMQTRYPLI FSRVKKSVEV LKNNKCPYFS CEQPCNQTTA GNALTFLKSL LEIFQKEKMR GMRGKIHHHH HH

Application Note

Determined by cell proliferation assay using MO7e human megakaryocytic leukemic cells. ED50 range for this effect is <= 0.3 ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.