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IL 9 Mouse

Catalog #:CYPS-380

For research use only.

Description: Interleukin-9 Mouse Recombinant produced in E.Coli is a single, non-glycosylated single polypeptide chain containing 127amino acids and having a molecular mass of 14,166 Dalton. The IL-9 is purified by proprietary chromatographic techniques.

Synonyms:P40, HP40, T-cell growth factor p40, IL-9, P40 cytokine.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Met-Gln-Arg-Cys-Ser.

Purity: Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:
Lyophilized from a concentrated (1mg/ml) solution containing no additives.

Stability:
Lyophilized Interleukin-9 althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL9 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
It is recommended to reconstitute the lyophilized Interleukin 9 in sterile 18M-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Introduction:
Factor that is thoμght to be a regulator of hematopoiesis. It has been shown to enhance the growth of human mast cells and megakaryoblastic leukemic cells as well as murine helper t-cell clones. IL-9 is a glycoprotein with a molecular weight of 32-39 that is derived from T-cells, and maps to human chromosome 5.

Biological Activity:
The ED50 as determined by the dose-dependant stimulation of human MO7e cells is < 0.5 ng/ml, corresponding to a Specific Activity of 2,000,000IU/mg.

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