

Product: Interleukin-9, murine, recombinant
Catalog #: 11-IL-9M
Amount: 5 µg

DESCRIPTION: Recombinant murine Interleukin 9 (rmIL-9)
rmIL-9 is a single, non-glycosylated polypeptide chain containing 127 amino acids and having a molecular mass of 14,166 Dalton. The sequence of the first five N-terminal amino acids was determined and was found to be Met-Gln-Arg-Cys-Ser
Escherichia coli expression system

SOURCE: *Escherichia coli* expression system

MOLECULAR WEIGHT: 14.16 kDa

PURITY: > 98%, as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rmIL-9

DIMERS & AGGREGATES: Less than 1% as determined by silver stained SDS-PAGE gel analysis

PROTEIN CONTENT: Protein quantitation was carried out by 2 independent methods:
- UV spectroscopy at 280 nm using the absorbency value of 0.6 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences
- Analysis by RP-HPLC, using a standard solution of mIL-9 as a Reference Standard

FORM: Purified, in 0.1% BSA

CONCENTRATION: 0.1 mg/ml

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rmIL-9 is fully biologically active when compared to standard. 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 x 10⁶ IU/mg.

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