

Product: Interleukin-13, rat, recombinant
Catalog #: 11-IL-13R
Amount: 5 µg

DESCRIPTION: Recombinant rat Interleukin 13 (rrIL-13)
rrIL-13 is a non-glycosylated polypeptide chain containing 111 amino acids and having a molecular mass of 12192 Dalton
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Pro-Val-Arg-Arg
Escherichia coli expression system

SOURCE:

PURITY: > 95%, 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 rrIL-13

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 0.69 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 rIL-13 as a Reference Standard

FORM: Purified

CONCENTRATION: mg/ml

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

BIOLOGICAL ACTIVITY: rrIL-13 is fully biologically active when compared to standard.
The ED50 was determined by the dose dependent proliferation of TF-1 cells and was found to be < 4ng/ml, corresponding to specific activity of >2.5 x 10⁵.

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