

32-20342: Animal-Free Recombinant Human IL-5(Discontinued)

Reactivity :

Alternative Name : Interleukin-5, EDF, BCDFII, TRF

Description

Source: *E.coli* IL-5 is a hematopoietic growth factor that stimulates the proliferation and activation of eosinophils. Produced by mast cells, T cells, and eosinophils, IL-5 plays an important role in inducing cell-mediated immunity against parasitic infections and certain tumors. Elevated levels of IL-5 lead to Eosinophilia, which may result in the induction of asthma and other allergic diseases. Human and murine IL-5 are cross-species reactive. Recombinant Human IL-5 is a 26.5 kDa disulfide-linked homodimeric protein containing two 116 amino acid chains.

Product Info

Amount : 2 µg / 10 µg

Purification : Purity: $\geq 98\%$ by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : MIPTEIPTSA LVKETLALLS THRTLLIANE TLRIPVPVHK NHQLCTEEIF QGIGTLESQT VQGGTVERLF
KNLSLIKKYI DGQKKKCGEE RRRVNQFLDY LQEFLGVMNT EWIIIES

Application Note

The ED_{50} as determined by the dose-dependent proliferation of TF-1 cells was ≤ 0.15 ng/ml, corresponding to a specific activity of $\geq 6.6 \times 10^6$ units/mg.