

32-20370: Recombinant Rat IL-13 (113 a.a.)(Discontinued)

Reactivity : Human

Alternative Name : NC300 (Human), P600 (Murine)

Description

Source: *E.coli* IL-13 is an immunoregulatory cytokine produced primarily by activated Th2 cells, and also by mast cells and NK cells. Targeted deletion of IL-13 in mice resulted in impaired Th2 cell development and indicated an important role for IL-13 in the expulsion of gastrointestinal parasites. IL-13 exerts anti-inflammatory effects on monocytes and macrophages and it inhibits the expression of inflammatory cytokines such as IL-1b, TNF-a, IL-6 and IL-8. IL-13 has also been shown to enhance B cell proliferation and to induce isotype switching, resulting in increased production of IgE. Blocking of IL-13 activity inhibits the pathophysiology of asthma. Human and murine IL-13 are cross-species reactive. Recombinant Rat IL-13 a 12.3 kDa protein consisting of 113 amino acid residues.

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 : TPGPVRRTS PPVALRELIE ELSNITQDQK TSLCNSSIVW SVDLTAGGFC AALESLTNIS SCNAIHRTQR
ILNGLCNQKA SDVASSPPDT KIEVAQFISK LLNYSKQLFR YGH

Application Note

The ED_{50} was determined by the dose-dependent proliferation of TF-1 cells is < 5.0 ng/ml, corresponding to a specific activity of $> 2 \times 10^5$ units/mg.