

**CHASELECTION****Recombinant Mouse IL-13****货号(Catalog Number):** CY151FXXXX(L)**别名(synonym):**

ALRHMGC116789; BHR1 interleukin-13; IL13; IL-13; IL-13MGC116788; interleukin 13

**来源(Source):** Human embryonic kidney cell,

HEK293-derived mouse IL-13 protein

**蛋白结构 (Structure):**

该蛋白不含标签

**基因 ID:** P20109**氨基酸序列:**

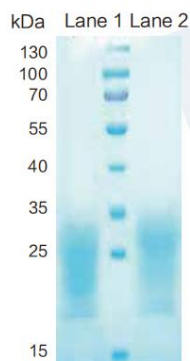
Ser26-Phe131

**分子量大小(MW):**

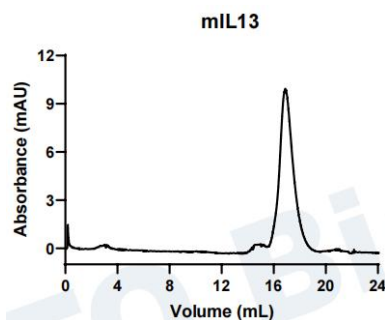
11.5 kDa

**纯度 (Purity):**

&gt; 95%, determined by SDS-PAGE.

**SDS-PAGE**

4 ug/lane of recombinant mouse IL-13 was resolved with SDS-PAGE under non-reducing (Lane 1) and reducing (Lane 2) conditions and visualized by Coomassie Blue staining.

**Gel filtration**

Size-exclusion chromatography of recombinant mouse IL13 protein (280 nm absorbance)



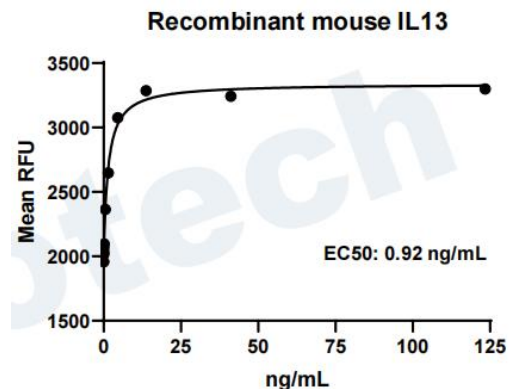
**内毒素含量(Endotoxin):** <0.010 EU per 1 ug of the protein by the LAL method.

**制剂(Formulation):**

Solution protein.

Dissolved in PBS buffer.

This solution can be diluted into other aqueous buffers. Centrifuge the vial prior to opening.

**活性检测 (Biological Activity):**

Recombinant mouse IL13 stimulates cell proliferation of TF-1 human erythroleukemic cells.

**储存与运输(Storage):**

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

It is recommended that the protein be aliquoted for optimal storage.

36 months from date of receipt, -20 to -70 °C as supplied.

**产品背景介绍 (Production):**

Interleukin-13 (IL-13), is a 17 kDa immunoregulatory cytokine that plays a key role in the pathogenesis of allergic asthma and atopy. It is secreted by Th1 and Th2 CD4+ T cells, NK cells, visceral smooth muscle cells, eosinophils, mast cells, and basophils. IL-13 circulates as a monomer with two internal disulfide bonds that contribute to a bundled four alpha-helix configuration. Mature mouse IL-13 shares 57%, 75%, and 58% amino acid sequence identity with human, rat, and rhesus IL-13, respectively. Despite the low homology, it exhibits cross-species activity between human, mouse, and rat. IL-13 has diverse activities on

numerous cell types. On macrophages, IL-13 suppresses the production of proinflammatory cytokines and other cytotoxic substances. On B cells, IL-13 induces immunoglobulin class switching to IgE, upregulates the expression of MHC class II, CD71, CD72, and CD23, and costimulates proliferation. IL-13 upregulates IL-6 while downregulating IL-1 and TNF-alpha production by fibroblasts and endothelial cells.

