IL-5 (C-6His), Human, Recombinant

货号：PCK201

产品信息

别名	Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF; IL5
物种	Human
表达宿主	Human Cells
序列信息	Ile20-Ser134
检索号	P05113
分子量	14.2 kDa
标签	C-6His
生物活性	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells.The ED50 for this effect is 0.1-0.5 ng/ml.

产品特性

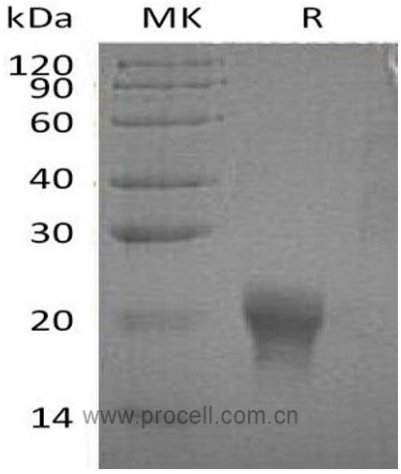
纯度	>95% as determined by reducing SDS-PAGE.
内毒素	< 1.0 EU per μg as determined by LAL test.
保存	Lyophilized protein should be stored at -5~-20℃, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20℃ for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.

复融	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 μg/ml.Dissolve the lyophilized protein in distilled water.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

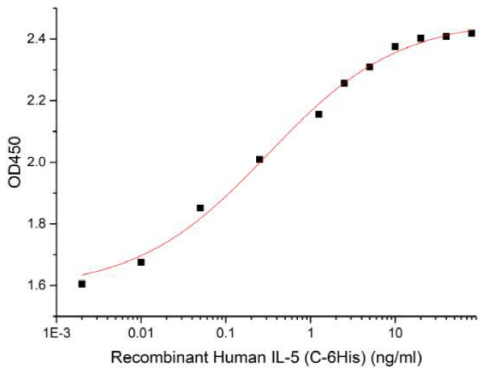
背景介绍

IL-5 is expressed in eosinophils, NK cells, TC2 CD8+ T cells, mast cells, CD45+ CD4+ T cells, gamma delta T cells and IL-1 beta activated endothelial cells. IL-5 acts as a growth and differentiation factor for both B cells and eosinophils. Relative to B cells, IL-5 appears to induce the differentiation of activated conventional B-2 cells into Ig-secreting cells. In addition, it induces the growth of B-1 progenitors as well as IgM production by B-1 cells.IL-5 appears to perform a number of functions on eosinophils. These include the down modulation of Mac-1,the upregulation of Receptors for IgA and IgG,the stimulation of lipid mediator (leukotriene C4 and PAF) secretion and the induction of granule release.IL-5 also promotes the growth and differentiation of eosinophils.

SDS-PAGE



生物活性



Measured in a cell proliferation assay using TF-1 human erythroleukemic cells.The ED50 for this effect is 0.1-0.5 ng/ml.