

Recombinant Human IL-4 R alpha/CD124 Protein Protein, His tag

产品信息

产品名称	产品编号	规格
Recombinant Human IL-4RA Protein, His tag	93813ES25	25 µg
	93813ES60	100 µg
	93813ES76	500 µg

产品简介

CD124 is a type I transmembrane protein. It can regulate the production of IgE antibodies by B cells by binding to interleukin-4 and interleukin-13, and promote the differentiation of Th2 cells by binding to interleukin-4. Studies have shown that IL-4/IL-4R signaling pathway not only plays an important role in the immune system, but also IL-4R is overexpressed in many epithelial tumor cells. IL-4/IL-4R signaling pathway plays a strong role in promoting the survival, proliferation, migration and invasion of epithelial tumors.

性能参数

Synonyms	IL4R; CD124; IL4RA
Uniprot No.	P24394
Source	Recombinant Human IL-4RA Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Met26-His232.
Molecular Weight	The protein has a predicted MW of 25.67 kDa. And it migrates as 25-33 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	> 95% as determined by SDS-PAGE.
Endotoxin	<0.1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge tubes before opening. Dissolve lyophilized protein with sterile PBS to ensure the concentration is greater than 100 ug/mL.

储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

产品数据

SDS-PAGE

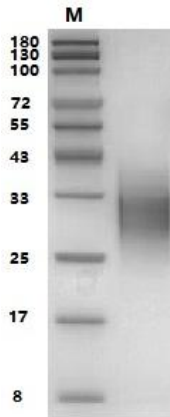


Figure 1. Human IL-4RA on SDS-PAGE under reduced condition. The purity is greater than 95%.

Bioactivity-Cell based assay

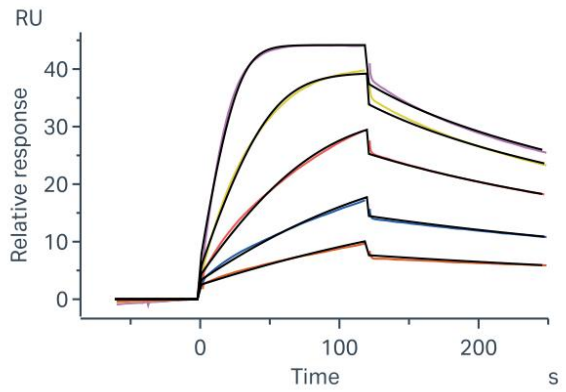


Figure 2. Human IL-4 immobilized on CM5 chip can bind human IL-4R, his Tag with an affinity constant of 1.68×10^{-10} M as determined in a SPR assay (Biacore 8K).