

**DATASHEET**  
Version 20181206**IL-4 R, Human****Cat. No.:** Z03150-1**Size:** 1.0 mg**Synonyms:** IL-4R, IL-4RA, CD124**Description:**

Interleukin-4 Receptor, also known as IL-4RA and CD124, is a transmembrane glycoprotein belonging to the class I receptor family. It is highly expressed by activated T-cells. IL-4RA couples with  $\gamma$  chain to form the type I receptor for IL-4. The extracellular domain of IL-4RA binds to IL-4 and antagonizes its activity. IL-4RA plays an important role in Th2 cell differentiation, Ig class switching and alternative macrophage activation. It has also been implicated in allergic inflammation, tumor progression and atherogenesis.

**Amino Acid Sequence:**

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00001 GNMKVLQEPT CVSDYMSIST CEWKMGPTN CSTEIRLLYQ
00041 LVFLLSEAH CIPENNGGAG CVCHLLMDDV VSADNYTLDL
00081 WAGQQLLWKG SFKPSEHVKP RAPGNLTVHT NVSDTLLLTW
00121 SNPYPPDNYL YNHLTYAVNI WSENDPADFR IYNVTYLEPS
00161 LRIAASTLKS GISYRARVRA WAQCYNTTWS EWSPSTKWHN
00201 SYREPFEQH
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**Source:** HEK 293**Species:** Human**Biological Activity:** ED<sub>50</sub> < 70 ng/ml, measured in a neutralization assay using TF-1 cells in the presence of 0.5ng/ml h-IL-4.**Molecular Weight:** 40-45 kDa, observed by reducing SDS-PAGE.**Formulation:** Lyophilized after extensive dialysis against PBS.**Reconstitution:** Reconstituted in ddH<sub>2</sub>O or PBS at 100  $\mu$ g/ml.**Purity:** > 95% as analyzed by SDS-PAGE and HPLC.**Endotoxin Level:** < 0.2 EU/ $\mu$ g, determined by LAL method.**Storage:** Lyophilized recombinant Human Interleukin-4 Receptor remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Interleukin-4 Receptor should be stable up to 1 week at 4°C or up to 2 months at -20°C.