

## IL-4 R, Human

**Cat. No.:** Z03150-50

**Size:** 50.0 ug

**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 CSTEELRLLYQ
00041 LVFLLSEAHT CIPENGGAG CVCHLLMDDV VSADNYTLDL
00081 WAGQQLLWKG SFKPSSEHVKP RAPGNLTVHT NVSDTLTLLTW
00121 SNPYPPDNYL YNHLTYAVNI WSENDPADFR IYNVTYLEPS
00161 LRIAATLKS 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.