

Product datasheet

IL21 Receptor peptide ab6225

概述

产品名称 IL21 Receptor多肽

描述

性质 Synthetic

技术指标

Our [Abpromise guarantee](#) covers the use of **ab6225** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用 Blocking

形式 Liquid

补充说明 Stable for one year.

A novel cytokine related to IL-2 and IL-15 was recently identified and designated IL-21. The receptor for IL-21(IL-21R, also termed NLR for novel Interleukin receptor) is a new member of the class I cytokine receptor family. IL-21R forms a complex with the common cytokine receptor g chain, gc, and mediates IL-21 signaling. Both IL-21R and the gc are necessary for the IL-21 function. IL-21 and its receptor activate JAK-STAT signaling pathway. IL-21R is expressed in spleen, thymus, natural killer (NK), T and B cell lines. IL-21 plays a role in the proliferation and maturation of NK, B and T cell populations.

制备和贮存

稳定性和存储 Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Preservative: 0.02% Sodium Azide

Constituents: 0.1% BSA, PBS, pH 7.2

常规信息

功能 This is a receptor for interleukin-21.

组织特异性 Selectively expressed in lymphoid tissues. Most highly expressed in thymus and spleen.

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|--------------|---|
| 序列相似性 | Belongs to the type I cytokine receptor family. Type 4 subfamily. Contains 2 fibronectin type-III domains. |
| 结构域 | The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation. |
| 翻译后修饰 | C-mannosylated at Trp-214 in the WSXWS motif, the sugar chain makes extensive hydrogen bonds with Asn-73 sugar, and bridges the two fibronectin domains transforming the V-shaped receptor into an A-frame. |
| 细胞定位 | Membrane. |

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