

Datasheet for ABIN6253264

IL21 Receptor Protein (AA 20-234) (Fc Tag)



[Go to Product page](#)

Overview

Quantity:	25 µg
Target:	IL21 Receptor (IL21R)
Protein Characteristics:	AA 20-234
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL21 Receptor protein is labelled with Fc Tag.

Product Details

Purpose:	IL-21R (mouse):Fc (mouse) (rec.) (non-lytic)
Specificity:	The extracellular domain of mouse IL-21R (aa 20-234) is fused to the N-terminus of the Fc region of a mutant mouse IgG2a.
Characteristics:	<p>Protein. The extracellular domain of mouse IL-21R (aa 20-234) is fused to the N-terminus of the Fc region of a mutant mouse IgG2a. Source: CHO cells. Endotoxin content: <0.06EU/µg protein (LAL test, Lonza). Lyophilized from 0.2µm-filtered solution in PBS. Purity: >98 % (SDS-PAGE).</p> <p>Interleukin-21 receptor (IL-21R) is a type I transmembrane glycoprotein within the class I cytokine receptor family, type 4 subfamily. Complex formation between IL-21R and the common gamma chain (gammac) is required for signaling. IL-21R is expressed mainly on B cells (highest on mature, activated, follicular and germinal center B cells), NK cells and activated T cells, but is also found on dendritic cells, alternatively activated macrophages, intestinal lamina propria fibroblasts and epithelial cells and keratinocytes. B cell IL-21R engagement induces Blimp1 (which mediates plasma cell differentiation) and is important for memory</p>

Product Details

responses. IL-21R engagement on mouse NK cells enhances their cytotoxic activity and IFN-gamma production. IL-21R engagement on CD8+ T cells aids control of viral infection and tumor growth, IL-21R is also necessary for sufficient numbers of regulatory T cells to combat chronic inflammation. IL-21R expression is often upregulated in allergic skin inflammation, systemic lupus erythematosus and diffuse large B cell lymphoma (DLBCL).

Purity:	>98 % (SDS-PAGE)
Endotoxin Level:	<0.06EU/μg protein (LAL test, Lonza).
Biological Activity Comment:	Shows the biological function of the IL-21R moiety and exerts a prolonged circulating half-life caused by the modified Fc domain.

Target Details

Target:	IL21 Receptor (IL21R)
Alternative Name:	IL-21R (IL21R Products)
Background:	<p>Alternate Names/Synonyms: Interleukin-21 Receptor, CD360, NILR</p> <p>Product Description: Interleukin-21 receptor (IL-21R) is a type I transmembrane glycoprotein within the class I cytokine receptor family, type 4 subfamily. Complex formation between IL-21R and the common gamma chain (gammac) is required for signaling. IL-21R is expressed mainly on B cells (highest on mature, activated, follicular and germinal center B cells), NK cells and activated T cells, but is also found on dendritic cells, alternatively activated macrophages, intestinal lamina propria fibroblasts and epithelial cells and keratinocytes. B cell IL-21R engagement induces Blimp1 (which mediates plasma cell differentiation) and is important for memory responses. IL-21R engagement on mouse NK cells enhances their cytotoxic activity and IFN-gamma production. IL-21R engagement on CD8+ T cells aids control of viral infection and tumor growth, IL-21R is also necessary for sufficient numbers of regulatory T cells to combat chronic inflammation. IL-21R expression is often upregulated in allergic skin inflammation, systemic lupus erythematosus and diffuse large B cell lymphoma (DLBCL).</p>
Pathways:	JAK-STAT Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized from 0.2µm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.