

IL21 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13840b**Specification****IL21 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q9HBE4](#)**IL21 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 59067**Other Names**

Interleukin-21, IL-21, Za11, IL21

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13840b was selected from the C-term region of IL21. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

IL21 Antibody (C-term) Blocking peptide - Protein Information**Name** IL21 ([HGNC:6005](#))**Function**

Cytokine with immunoregulatory activity. May promote the transition between innate and adaptive immunity. Induces the

IL21 Antibody (C-term) Blocking peptide - Background

Cytokine with immunoregulatory activity. May promote the transition between innate and adaptive immunity. Induces the production of IgG(1) and IgG(3) in B-cells (By similarity). May play a role in proliferation and maturation of natural killer (NK) cells in synergy with IL15. May regulate proliferation of mature B-and T-cells in response to activating stimuli. In synergy with IL15 and IL18 stimulates interferon gamma production in T-cells and NK cells. During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation.

IL21 Antibody (C-term) Blocking peptide - References

Petukhova, L., et al. Nature 466(7302):113-117(2010)Yue, F.Y., et al. J. Immunol. 185(1):498-506(2010)Pallone, F., et al. Expert Rev Clin Immunol 6(4):537-541(2010)Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)Hollis-Moffatt, J.E., et al. Arthritis Res. Ther. 12 (3), R116 (2010) :

production of IgG(1) and IgG(3) in B-cells (By similarity). Implicated in the generation and maintenance of T follicular helper (Tfh) cells and the formation of germinal-centers. Together with IL6, control the early generation of Tfh cells and are critical for an effective antibody response to acute viral infection (By similarity). May play a role in proliferation and maturation of natural killer (NK) cells in synergy with IL15. May regulate proliferation of mature B- and T-cells in response to activating stimuli. In synergy with IL15 and IL18 stimulates interferon gamma production in T-cells and NK cells (PubMed:11081504, PubMed:15178704). During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation (By similarity).

Cellular Location

Secreted.

Tissue Location

Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes

IL21 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)