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EBI3 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP20128b

Specification

EBI3 Blocking Peptide (C-term) - Product Information

Primary Accession	Q14213
Other Accession	NP_005746.2

EBI3 Blocking Peptide (C-term) - Additional Information

Gene ID 10148

Other Names
Interleukin-27 subunit beta, IL-27 subunit beta, IL-27B, Epstein-Barr virus-induced gene 3 protein, EBV-induced gene 3 protein, EBI3, IL27B

Target/Specificity
The synthetic peptide sequence is selected from aa 168-181 of HUMAN EBI3

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.

EBI3 Blocking Peptide (C-term) - Protein Information

Name EBI3

Synonyms IL27B

Function
Associates with IL27 to form the IL-27 interleukin, a heterodimeric cytokine which functions in innate immunity. IL-27 has pro- and anti-inflammatory properties, that can regulate T-helper cell development, suppress T-cell proliferation, stimulate cytotoxic T-cell activity, induce isotype switching in B-cells, and that has diverse effects on innate immune cells. Among its target cells are CD4 T-helper cells which can differentiate in type 1 effector cells (TH1), type 2 effector cells (TH2) and IL17 producing helper T-cells (TH17). It drives rapid clonal expansion of naive but not memory CD4 T-cells. It also strongly synergizes with IL-12 to trigger interferon-gamma/IFN- gamma production of naive CD4 T-cells, binds to the cytokine receptor WSX-1/TCCR. Another important role of IL-27 is its antitumor activity as well as its antiangiogenic activity with activation of production of antiangiogenic chemokines.

Cellular Location
Secreted.

EBI3 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

EBI3 Blocking Peptide (C-term) - Images

EBI3 Blocking Peptide (C-term) - Background

This gene was identified by its induced expression in B lymphocytes in response Epstein-Barr virus infection. It encodes a secreted glycoprotein belonging to the hematopoietin receptor family, and heterodimerizes with a 28 kDa protein to form interleukin 27 (IL-27). IL-27 regulates T cell and inflammatory responses, in part by activating the Jak/STAT pathway of CD4+ T cells.

EBI3 Blocking Peptide (C-term) - References

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Poleganov, M.A., et al. Mol. Immunol. 45(10):2869-2880(2008)
Carl, J.W., et al. Int J Clin Exp Pathol 1(2):117-123(2008)
Colland, F., et al. Genome Res. 14(7):1324-1332(2004)