

IL12_2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10687b**Specification**

IL12_2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q99665](#)

IL12_2 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 3595

Other Names

Interleukin-12 receptor subunit beta-2, IL-12 receptor subunit beta-2, IL-12R subunit beta-2, IL-12R-beta-2, IL-12RB2, IL12RB2

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.

IL12_2 Antibody (C-term) Blocking peptide - Protein Information

Name IL12RB2

Function

Receptor for interleukin-12. This subunit is the signaling component coupling to the JAK2/STAT4 pathway. Promotes the proliferation of T-cells as well as NK cells. Induces the promotion of T-cells towards the Th1 phenotype by strongly enhancing IFN-gamma production.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Isoform 2 is expressed at similar levels in both naive and activated T-cells.

IL12_2 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

IL12_2 Antibody (C-term) Blocking peptide - Images**IL12_2 Antibody (C-term) Blocking peptide - Background**

The protein encoded by this gene is a type I transmembrane protein identified as a subunit of the interleukin 12 receptor complex. The coexpression of this and IL12RB1 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. The expression of this gene is up-regulated by interferon gamma in Th1 cells, and plays a role in Th1 cell differentiation. The up-regulation of this gene is found to be associated with a number of infectious diseases, such as Crohn's disease and leprosy, which is thought to contribute to the inflammatory response and host defense.

IL12_2 Antibody (C-term) Blocking peptide - References

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Liu, X., et al. Nat. Genet. 42(8):658-660(2010)Mizuki, N., et al. Nat. Genet. 42(8):703-706(2010)Remmers, E.F., et al. Nat. Genet. 42(8):698-702(2010)