

IL19 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17156a**Specification**

IL19 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9UHD0](#)**IL19 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 29949**Other Names**

Interleukin-19, IL-19, Melanoma differentiation-associated protein-like protein, NG1, IL19, ZMDA1

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.

IL19 Antibody (N-term) Blocking Peptide - Protein Information**Name** IL19**Synonyms** ZMDA1**Function**

Cytokine that functions as an anti-inflammatory and proangiogenic factor (PubMed:34932373). Polarizes adaptive immunity to an anti-inflammatory phenotype through induction of T-helper 2 responses by both down-regulation of IFN-gamma and up-regulation of IL4 and IL13 (PubMed:16365913). Produced by osteocytes, stimulates granulopoiesis and neutrophil formation (By similarity). Exerts its biological effect through a receptor complex consisting of a heterodimer of IL20RA and IL20RB (PubMed:12351624). In turn, activates the Janus kinase (JAK) and signal transducer and activator of transcription (STAT) pathway, and importantly, STAT3 (PubMed:11564763).

Cellular Location

Secreted.

IL19 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

IL19 Antibody (N-term) Blocking Peptide - Images

IL19 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is a cytokine that belongs to the IL10 cytokine subfamily. This cytokine is found to be preferentially expressed in monocytes. It can bind the IL20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively spliced transcript variants encoding the distinct isoforms have been described.

IL19 Antibody (N-term) Blocking Peptide - References

Beckers, M.M., et al. Eur. J. Intern. Med. 21(4):289-292(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Ryckman, K.K., et al. PLoS ONE 5 (8), E12273 (2010) :