

IL34 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18473a**Specification**

IL34 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q6ZMJ4](#)**IL34 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 146433**Other Names**

Interleukin-34, IL-34, IL34, C16orf77

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.

IL34 Antibody (N-term) Blocking Peptide - Protein Information**Name** IL34**Synonyms** C16orf77**Function**

Cytokine that promotes the proliferation, survival and differentiation of monocytes and macrophages. Promotes the release of pro-inflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1.

Cellular Location

Secreted.

Tissue Location

Detected in the sinusoidal epithelium in the red pulp of spleen (at protein level). Predominantly expressed in spleen Also detected in a range of other tissues including heart, brain, lung, liver, kidney, thymus, testis, ovary, small intestine, prostate and colon.

IL34 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

IL34 Antibody (N-term) Blocking Peptide - Images

IL34 Antibody (N-term) Blocking Peptide - Background

Interleukin-34 is a cytokine that promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor (CSF1R; MIM 164770) (Lin et al., 2008 [PubMed 18467591]).

IL34 Antibody (N-term) Blocking Peptide - References

Wei, S., et al. J. Leukoc. Biol. 88(3):495-505(2010) Lin, H., et al. Science 320(5877):807-811(2008) Lim, J., et al. Cell 125(4):801-814(2006)