

IL18R1 Antibody(C-term) Blocking peptide
Synthetic peptide
Catalog # BP20911c**Specification**

IL18R1 Antibody(C-term) Blocking peptide - Product InformationPrimary Accession [Q13478](#)**IL18R1 Antibody(C-term) Blocking peptide - Additional Information****Gene ID** 8809**Other Names**

Interleukin-18 receptor 1, IL-18R-1, IL-18R1, CD218 antigen-like family member A, CDw218a, IL1 receptor-related protein, IL-1Rrp, IL1R-rp, CD218a, IL18R1, IL1RRP

Target/Specificity

The synthetic peptide sequence is selected from aa 527-541 of HUMAN IL18R1

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.

IL18R1 Antibody(C-term) Blocking peptide - Protein Information**Name** IL18R1 ([HGNC:5988](#))**Synonyms** IL1RRP**Function**

Within the IL18 receptor complex, responsible for the binding of the pro-inflammatory cytokine IL18, but not IL1A nor IL1B (PubMed: [14528293](http://www.uniprot.org/citations/14528293), PubMed: [25261253](http://www.uniprot.org/citations/25261253), PubMed: [25500532](http://www.uniprot.org/citations/25500532), PubMed: [37993714](http://www.uniprot.org/citations/37993714), PubMed: [8626725](http://www.uniprot.org/citations/8626725)). Involved in IL18-mediated IFNG synthesis from T-helper 1 (Th1) cells (PubMed: [10653850](http://www.uniprot.org/citations/10653850)). Contributes to IL18-induced cytokine production, either independently of SLC12A3, or as a complex with SLC12A3 (By similarity).

Cellular Location

Membrane; Single- pass type I membrane protein

Tissue Location

Highly expressed in leukocytes, spleen, lung. Also expressed, but at lower levels, in liver, small intestine, colon, prostate, thymus, placenta, and heart. Specifically coexpressed with IL18R1 in Th1 cells (PubMed:10653850, PubMed:10925275, PubMed:11046021).

IL18R1 Antibody(C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

IL18R1 Antibody(C-term) Blocking peptide - Images**IL18R1 Antibody(C-term) Blocking peptide - Background**

Receptor for interleukin 18 (IL-18). Binding to the agonist leads to the activation of NF-kappa-B.

IL18R1 Antibody(C-term) Blocking peptide - References

Parnet P.,et al.J. Biol. Chem. 271:3967-3970(1996).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Hillier L.W.,et al.Nature 434:724-731(2005).

Torigoe K.,et al.J. Biol. Chem. 272:25737-25742(1997).