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# IL3RA Blocking Peptide (C-term)

**Synthetic peptide**
**Catalog # BP20479b**

## Specification

### IL3RA Blocking Peptide (C-term) - Product Information

Primary Accession P26951

### IL3RA Blocking Peptide (C-term) - Additional Information

**Gene ID** 3563

**Other Names**
Interleukin-3 receptor subunit alpha, IL-3 receptor subunit alpha, IL-3R subunit alpha, IL-3R-alpha, IL-3RA, CD123, IL3RA, IL3R

**Target/Specificity**
The synthetic peptide sequence is selected from aa 337-348 of Human IL3RA

**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.

### IL3RA Blocking Peptide (C-term) - Protein Information

**Name** IL3RA (HGNC:6012)

**Synonyms** IL3R

**Function**
Cell surface receptor for IL3 expressed on hematopoietic progenitor cells, monocytes and B-lymphocytes that controls the production and differentiation of hematopoietic progenitor cells into lineage-restricted cells (PubMed:<a href="http://www.uniprot.org/citations/10527461" target="_blank">10527461</a>). Ligand stimulation rapidly induces hetrodimerization with IL3RB, phosphorylation and enzyme activity of effector proteins such as JAK2 and PI3K that play a role in signaling cell proliferation and differentiation. Activation of JAK2 leads to STAT5-mediated transcriptional program (By similarity).

**Cellular Location**
Membrane; Single-pass type I membrane protein.

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## IL3RA Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

## IL3RA Blocking Peptide (C-term) - Images

## IL3RA Blocking Peptide (C-term) - Background

This is a receptor for interleukin-3.

## IL3RA Blocking Peptide (C-term) - References

Chen J., et al. J. Biol. Chem. 284:5763-5773(2009).
Kitamura T., et al. Cell 66:1165-1174(1991).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Ross M.T., et al. Nature 434:325-337(2005).