

IL3RA Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP20479b**Specification**

IL3RA Blocking Peptide (C-term) - Product InformationPrimary 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:10527461). Ligand stimulation rapidly induces heterodimerization 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.

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).