

**CSF2RB Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8752a****Specification**

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**CSF2RB Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P32927](#)**CSF2RB Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 1439**Other Names**

Cytokine receptor common subunit beta, CDw131, GM-CSF/IL-3/IL-5 receptor common beta subunit, CD131, CSF2RB, IL3RB, IL5RB

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8752a](/products/AP8752a) was selected from the N-term region of human CSF2RB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**CSF2RB Antibody (N-term) Blocking Peptide - Protein Information****Name** CSF2RB**Synonyms** IL3RB, IL5RB**Function**

Cell surface receptor that plays a role in immune response and controls the production and differentiation of hematopoietic progenitor cells into lineage-restricted cells. Acts by forming a heterodimeric receptor through interaction with different partners such as IL3RA, IL5RA or CSF2RA (PubMed: [1495999](http://www.uniprot.org/citations/1495999)). In turn, participates in various signaling pathways including interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor/CSF2 pathways. In unstimulated conditions, interacts constitutively with JAK1 and ligand binding leads to JAK1 stimulation and subsequent activation of the JAK- STAT pathway (PubMed: [9516124](http://www.uniprot.org/citations/9516124)).

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**CSF2RB Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CSF2RB Antibody (N-term) Blocking Peptide - Images****CSF2RB Antibody (N-term) Blocking Peptide - Background**

CSF2RB is a high affinity receptor for interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor.

**CSF2RB Antibody (N-term) Blocking Peptide - References**

Dirksen U., et.al., J. Clin. Invest. 100:2211-2217(1997).