

IL3RB Blocking Peptide (C-term V759)
Synthetic peptide
Catalog # BP6360b**Specification**

IL3RB Blocking Peptide (C-term V759) - Product InformationPrimary Accession [P32927](#)**IL3RB Blocking Peptide (C-term V759) - 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 is selected from aa 759-773 of HUMAN CSF2RB

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.

IL3RB Blocking Peptide (C-term V759) - 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 an heterodimeric receptor through interaction with different partners such as IL3RA, IL5RA or CSF2RA (PubMed: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).

Cellular Location

Membrane; Single-pass type I membrane protein.

IL3RB Blocking Peptide (C-term V759) - Protocols

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

- [Blocking Peptides](#)

IL3RB Blocking Peptide (C-term V759) - Images

IL3RB Blocking Peptide (C-term V759) - Background

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is first purified by protein G affinity chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with the control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

IL3RB Blocking Peptide (C-term V759) - References

Murphy, J.M., et al., J. Biol. Chem. 279(25):26500-26508 (2004).
McClure, B.J., et al., Blood 101(4):1308-1315 (2003).
Scibek, J.J., et al., Anal. Biochem. 307(2):258-265 (2002).
Blake, T.J., et al., J. Leukoc. Biol. 72(6):1246-1255 (2002).
Evans, C.A., et al., Blood 100(9):3164-3174 (2002).