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IL5RA Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP19232b

Specification

IL5RA Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q01344

IL5RA Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 3568

Other Names
Interleukin-5 receptor subunit alpha, IL-5 receptor subunit alpha, IL-5R subunit alpha, IL-5R-alpha, IL-5RA, CDw125, CD125, IL5RA, IL5R

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.

IL5RA Antibody (C-term) Blocking Peptide - Protein Information

Name IL5RA

Synonyms IL5R

Function
Cell surface receptor that plays an important role in the survival, differentiation, and chemotaxis of eosinophils (PubMed:9378992). Acts by forming an heterodimeric receptor with CSF2RB subunit and subsequently binding to interleukin-5 (PubMed:1495999, PubMed:22528658). In unstimulated conditions, interacts constitutively with JAK2. Heterodimeric receptor activation leads to JAK2 stimulation and subsequent activation of the JAK-STAT pathway (PubMed:9516124).

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

Tissue Location
Expressed on eosinophils and basophils.

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IL5RA Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

IL5RA Antibody (C-term) Blocking Peptide - Images

IL5RA Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene is an interleukin 5specific subunit of a heterodimeric cytokine receptor. The receptoris comprised of a ligand specific alpha subunit and a signaltransducing beta subunit shared by the receptors for interleukin 3(IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5(IL5). The binding of this protein to IL5 depends on the betasubunit. The beta subunit is activated by the ligand binding, andis required for the biological activities of IL5. This protein hasbeen found to interact with syndecan binding protein (syntenin),which is required for IL5 mediated activation of the transcriptionfactor SOX4. Six alternatively spliced transcript variants encodingthree distinct isoforms have been reported.

IL5RA Antibody (C-term) Blocking Peptide - References

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Beckers, M.M., et al. Eur. J. Intern. Med. 21(4):289-292(2010)Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)Wang, Y., et al. Diabet. Med. 27(4):376-383(2010)