10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IL13RA1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP17187a

Specification

IL13RA1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P78552

IL13RA1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 3597

Other Names
Interleukin-13 receptor subunit alpha-1, IL-13 receptor subunit alpha-1, IL-13R subunit alpha-1, IL-13R-alpha-1, IL-13RA1, Cancer/testis antigen 19, CT19, CD213a1, IL13RA1, IL13R, IL13RA

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.

IL13RA1 Antibody (N-term) Blocking Peptide - Protein Information

Name IL13RA1

Synonyms IL13R, IL13RA

Function
Binds with low affinity to interleukin-13 (IL13). Together with IL4RA can form a functional receptor for IL13. Also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity.

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

Tissue Location
Ubiquitous. Highest levels in heart, liver, skeletal muscle and ovary; lowest levels in brain, lung and kidney Also found in B-cells, T-cells and endothelial cells

IL13RA1 Antibody (N-term) Blocking Peptide - Protocols

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

- Blocking Peptides

IL13RA1 Antibody (N-term) Blocking Peptide - Images

IL13RA1 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is a subunit of theinterleukin 13 receptor. This subunit forms a receptor complex withIL4 receptor alpha, a subunit shared by IL13 and IL4 receptors.This subunit serves as a primary IL13-binding subunit of the IL13receptor, and may also be a component of IL4 receptors. Thisprotein has been shown to bind tyrosine kinase TYK2, and thus maymediate the signaling processes that lead to the activation ofJAK1, STAT3 and STAT6 induced by IL13 and IL4. [provided byRefSeq].

IL13RA1 Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)Davila, S., et al. Genes Immun. 11(3):232-238(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Park, S.W., et al. J. Korean Med. Sci. 24(4):614-620(2009)