

IL25 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14661c**Specification**

IL25 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O9H293](#)**IL25 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 64806**Other Names**

Interleukin-25, IL-25, Interleukin-17E, IL-17E, IL25, IL17E

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.

IL25 Antibody (Center) Blocking Peptide - Protein Information**Name** IL25**Synonyms** IL17E**Function**

Cytokine produced by various cells such as eosinophils, T- helper type 2 (Th2) cells or epithelial cells that plays a role in internal safety of adaptive immune responses by regulating cytokine production (PubMed:25821217, PubMed:15860795). Promotes and augments T- helper type 2 responses locally or systemically (PubMed:25821217). Exerts its activity via its receptor composed of IL17RA and IL17RB for signal transduction (By similarity). In turn, stimulates the JAK2- STAT5A pathway and promotes the secretion of type-2 associated cytokines including IL4, IL9 and IL13 (PubMed:25821217). Induces also the release of IL8, and IL6 from eosinophils through the combined activation of MAPK and NF-kappa-B pathways (PubMed:15860795). Inhibits the differentiation of T-helper (Th17) cells via the production of IL4, IL5 and IL13 (PubMed:11754819).

Cellular Location
Secreted.**Tissue Location**

Expressed at low levels in several tissues, including brain, kidney, lung, prostate, testis, spinal cord, adrenal gland, and trachea

IL25 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

IL25 Antibody (Center) Blocking Peptide - Images**IL25 Antibody (Center) Blocking Peptide - Background**

The protein encoded by this gene is a cytokine that shares sequence similarity with interleukin 17. This cytokine can induce NF- κ B activation, and stimulate the production of interleukin 8. Both this cytokine and interleukin 17B are ligands for the cytokine receptor IL17BR. Studies of a similar gene in mice suggest that this cytokine may be a pro-inflammatory cytokine favoring the Th2-type immune response. Alternative splicing results in multiple transcript variants.

IL25 Antibody (Center) Blocking Peptide - References

Xu, G., et al. Allergy 65(5):581-589(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Goswami, S., et al. Nat. Immunol. 10(5):496-503(2009) Caruso, R., et al. Blood 113(15):3512-3519(2009) Garley, M., et al. Adv Med Sci 53(2):326-330(2008)