

IL17A Rabbit mAb

Catalog No.: A21266

Recombinant

1 Publications

Basic Information

Observed MW**Calculated MW**

18kDa

Category

Primary antibody

Applications

ELISA, IHC-P

Cross-Reactivity

Human

CloneNo number

ARC52762

Background

This gene is a member of the IL-17 receptor family which includes five members (IL-17RA-E) and the encoded protein is a proinflammatory cytokine produced by activated T cells. IL-17A-mediated downstream pathways induce the production of inflammatory molecules, chemokines, antimicrobial peptides, and remodeling proteins. The encoded protein elicits crucial impacts on host defense, cell trafficking, immune modulation, and tissue repair, with a key role in the induction of innate immune defenses. This cytokine stimulates non-hematopoietic cells and promotes chemokine production thereby attracting myeloid cells to inflammatory sites. This cytokine also regulates the activities of NF-kappaB and mitogen-activated protein kinases and can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). IL-17A plays a pivotal role in various infectious diseases, inflammatory and autoimmune disorders, and cancer. High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The lung damage induced by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is to a large extent, a result of the inflammatory response promoted by cytokines such as IL17A.

Recommended Dilutions

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

3605

Swiss Prot

Q16552

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 24-155 of human IL17A (NP_002181.1).

Synonyms

IL17; CTLA8; IL-17; ILA17; CTLA-8; IL-17A; IL17A

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

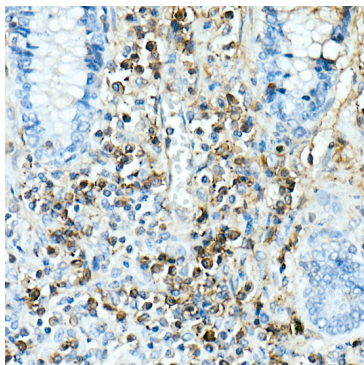
Affinity purification

Storage

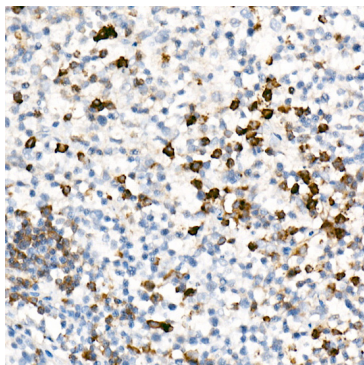
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using IL17A Rabbit mAb (A21266) at dilution of 1:100(40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human tonsil using IL17A Rabbit mAb (A21266) at dilution of 1:100(40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.