

Rabbit Anti-IL-17 Polyclonal: RC0017

Intended Use: For Research Use Only

Description: Interleukin-17 is a protein that in humans is encoded by the IL17 gene. The protein encoded by this gene is a proinflammatory cytokine produced by activated T cells. This cytokine regulates the activities of NF-kappa B and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide. High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. Ligand for IL17RA. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC (By similarity). Involved in inducing stromal cells to produce proinflammatory and hematopoietic cytokines (By similarity).

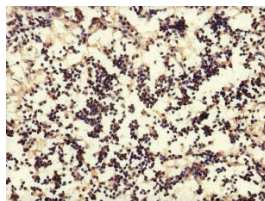
Specifications:

Clone: Polyclonal
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Secreted
Formulation: Antibody in PBS buffer pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage: Store at 2°- 8°C
Applications: IHC, ELISA, IF
Package:

Description	Catalog No.	Size
IL-17 Concentrated	RC0017	1 ml

IHC Procedure*:

Positive Control Tissue: Spleen
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.



FFPE human appendix tissue stained with anti-IL-17 using DAB

References:

1. Interleukin-17 regulates matrix metalloproteinase activity in human pulmonary tuberculosis. Singh S, et al. J Pathol. Dec 6, 2017.
2. Infiltration of $\gamma\delta$ T cells, IL-17+ T cells and FoxP3+ T cells in human breast cancer. Allaoui R, et al. Cancer Biomark. Dec 8;20(4):395-409, 2017.
3. Effects of an intravitreal injection of interleukin-35-expressing plasmid on pro-inflammatory and anti-inflammatory cytokines. Hou C, et al. Int J Mol Med 38:713-20, 2016.
4. Greater expression of the human leukocyte antigen-G (HLA-G) and interleukin-17 (IL-17) in cervical intraepithelial neoplasia: analytical cross-sectional study. Miranda LN, et al. Sao Paulo Med J. Jul-Aug;133(4):336-42, 2015.

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