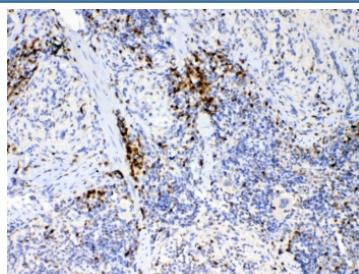


## IL17A Antibody (RQ4021)

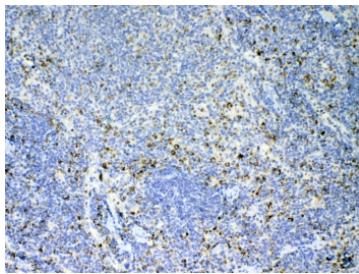
Catalog No.	Formulation	Size
RQ4021	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

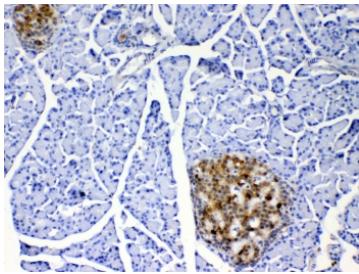
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q62386
<b>Localization</b>	Secreted, cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml ELISA (Capture) : 0.1-0.5ug/ml
<b>Limitations</b>	This IL17A antibody is available for research use only.



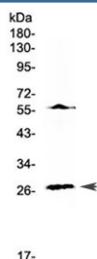
IHC testing of FFPE mouse spleen tissue with IL17A antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat spleen tissue with IL17A antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat pancreas tissue with IL17A antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western blot testing of human Jurkat cell lysate with IL17A antibody at 0.5ug/ml.  
Expected molecular weight: 15-20 kDa (monomer), 30-40 kDa (homodimer), depending on glycosylation level.

## Description

Interleukin-17A is a protein that in humans is encoded by the IL17A gene. The protein encoded by this gene is a proinflammatory cytokine produced by activated T cells. This cytokine regulates the activities of NF-kappaB 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 (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.

## Application Notes

Optimal dilution of the IL17A antibody should be determined by the researcher.

## Immunogen

A recombinant mouse partial protein corresponding to amino acids A26-A158 was used as the immunogen for the IL17A antibody.

## Storage

After reconstitution, the IL17A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

