

Datasheet for 600-401-BU8**IL-17 Antibody****Overview**

Description:	Anti-IL-17 (RABBIT) Antibody - 600-401-BU8
Item No.:	600-401-BU8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Interleukin 17 (IL-17) is a family of pro-inflammatory cytokines produced by activated T cells and is thought to have a major role in the initiation and perpetuation of rheumatoid arthritis. IL-17 regulates the activities of NF-κB and mitogen-activated protein kinases such as ERK and JNK. In addition, IL-17 stimulates the expression of IL-6 and cyclooxygenase-2 and enhances the production of nitric oxide. IL-17-producing T helper cells (TH-17 cells) have been the subject of much attention due to the importance of IL-17 in the pathogenesis of autoimmune inflammation. Because of its role in autoimmune diseases, it is thought that targeting the production and action of IL-17 would be beneficial therapeutically in these diseases.
Synonyms:	IL-17 Antibody, IL17, CTLA8, IL-17, IL-17A, IL17, Interleukin-17A, Cytotoxic T-lymphocyte-associated antigen 8
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IL17A
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-IL-17 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide from near the internal region of human IL-17A.
Purity/Specificity:	Anti-IL-17 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with IL-17 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q16552 • GeneID - 3605 • NCBI - NP_002181

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-IL-17 Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Expect a band at approximately 18 kDa in Western Blots using positive control human thymus tissue, or other specific cell lysates and tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	5 µg/mL
IHC:	2 µg/mL
WB:	1-2 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

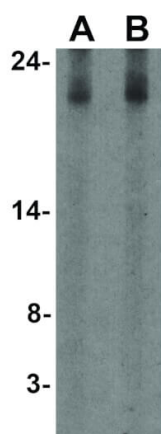
Shipping & Handling

Shipping Condition:	Wet Ice
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Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of IL-17 antibody. Lane A: Human thymus tissue lysate at 1 µg/ml. Lane B: Human thymus tissue lysate at 2 µg/ml. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 17.5 kDa, ~18 kDa for IL-17.

Disclaimer

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