

Datasheet for 600-401-BU9**IL-17RA Antibody****Overview**

Description:	Anti-IL-17RA (RABBIT) Antibody - 600-401-BU9
Item No.:	600-401-BU9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Interleukin 17A (IL-17A) is a proinflammatory cytokine secreted by activated T-lymphocytes (1). It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. IL-17RA is a ubiquitous type I membrane glycoprotein that binds with low affinity to IL-17A and IL-17F (1,2). IL-17A and its receptor play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis (3,4). Defects in IL-17RA are the cause of familial candidiasis type 5 (CANDF5) which is a rare disorder with altered immune responses and impaired clearance of fungal infections (5).
Synonyms:	IL-17RA Antibody, CD217, IL17R, CANDF5, CDw217, IL-17RA, hIL-17R, Interleukin-17 receptor A, IL-17 receptor A
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IL17RA
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-IL-17RA antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the N-terminus of human IL-17RA.

Purity/Specificity: Anti-IL-17RA Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. IL-17RA antibody is human, mouse and rat reactive. Multiple isoforms of IL-17RA are known to exist. This antibody is predicted to not cross-react with other IL-17 receptor subunits.

Relevant Links:

- [UniProtKB - Q96F46](#)
- [GeneID - 23765](#)
- [NCBI - NP_055154](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-IL-17RA Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 96 kDa in Western Blots of specific cell lysates and tissues.

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: User Optimized

IHC: User Optimized

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

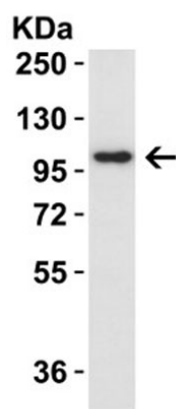
Shipping & Handling

Shipping Condition: Wet Ice

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



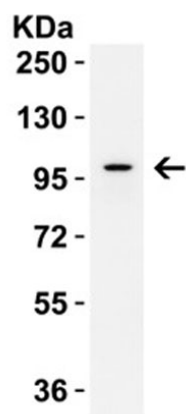
Western Blot

Western Blot of IL-17RA.

Load: 10 µg K562 cell lysate.

Primary Antibody: IL-17RA at 4 µg/mL for 1 h incubation at RT in 5% NFDM/TBST.

Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



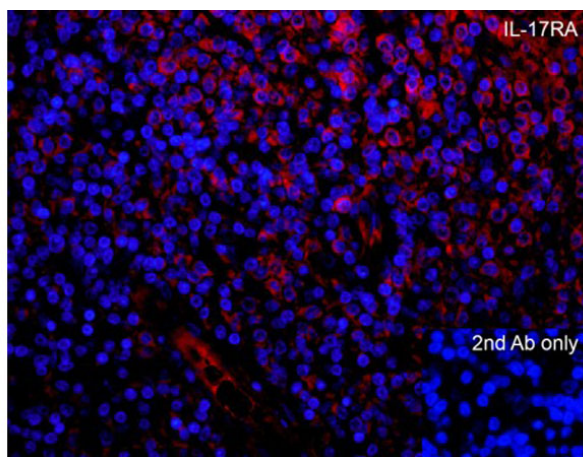
Western Blot

Western Blot of IL-17RA.

Load: 15 µg of mouse tissue lysate.

Primary Antibody: IL-17RA at 2 µg/mL for 1 h incubation at RT in 5% NFDM/TBST.

Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry

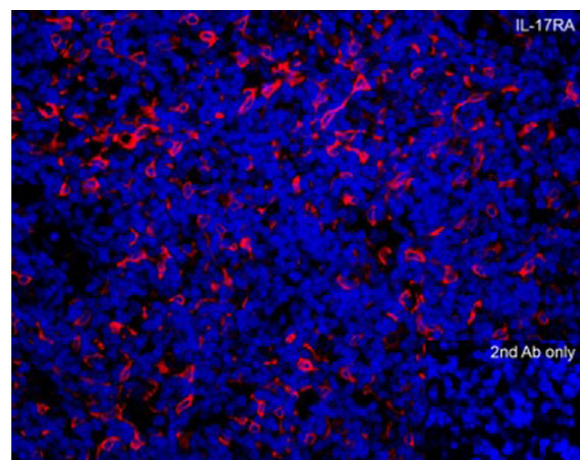
Immunofluorescence of IL-17RA.

Tissue: Human Spleen.

Fixation: 4% paraformaldehyde-fixed.

Primary Antibody: IL-17RA at 20 µg/mL.

Secondary: goat anti-rabbit IgG secondary antibody at 1:500 dilution (red).



Immunohistochemistry

Immunofluorescence of IL-17RA.

Tissue: Mouse Thymus.

Fixation: 4% paraformaldehyde-fixed.

Primary Antibody: IL-17RA at 10 µg/mL.

Secondary: goat anti-rabbit IgG secondary antibody at 1:500 dilution (red) and DAPI staining (blue).

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.