

Anti-IL-17RA Antibody

Catalog Number: A01311

About IL17RA

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).

Overview

Product Name	Anti-IL-17RA Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-IL-17RA Antibody (Catalog # A01311). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	IL-17RA Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	IL-17RA antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96F46

Technical Details

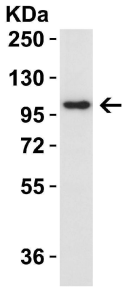
Immunogen	IL-17RA antibody was raised against an 18 amino acid peptide near the amino terminus of human IL-17RA. The immunogen is located within amino acids 150 - 200 of IL-17RA.
Predicted Reactive Species	Rat
Cross Reactivity	IL-17RA antibody is human, mouse and rat reactive. Multiple isoforms of IL-17RA are known to exist. This antibody is predicted to not cross-react with other IL-17 receptor subunits.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	IL-17RA Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

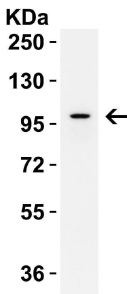
WB: 1-4 ug/mL; IHC-P/IF: 10-20 ug/mL.

Antibody validated: Western Blot in human and mouse samples; Immunofluorescence in human and mouse samples. All other applications and species not yet tested.

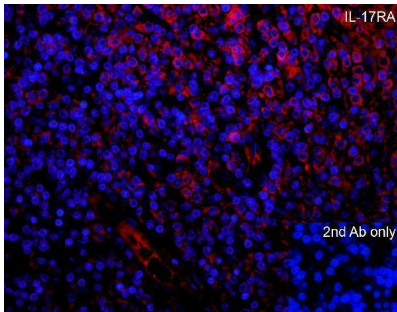
Anti-IL-17RA Antibody (A01311) Images



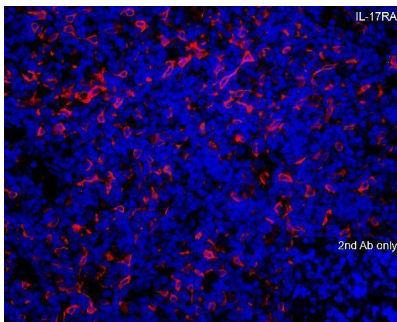
WB Validation in K562 Cells Loading: 10 ug of lysate
Antibodies: IL-17RA, A01311, 4 u g/mL , 1 h incubation at RT
in 5% NFDm/TBST. Secondary: Goat Anti-Rabbit IgG HRP
conjugate at 1:10000 dilution.



WB Validation in Mouse Tissues Loading: 15 ug of lysate
Antibodies: IL-17RA, A01311, 2 ug/mL , 1 h incubation at RT
in 5% NFDm/TBST. Secondary: Goat Anti-Rabbit IgG HRP
conjugate at 1:10000 dilution.



Immunofluorescence Validation of IL-17RA in Human Spleen
Immunofluorescent analysis of 4% paraformaldehyde-fixed
human spleen tissue labeling IL-17RA with A01311 at 20
ug/mL, followed by goat anti-rabbit IgG secondary antibody
at 1/500 dilution (red) and DAPI staining (blue).



Immunofluorescence Validation of IL-17RA in Mouse Thymus
Immunofluorescent analysis of 4% paraformaldehyde-fixed
mouse thymus tissue labeling IL-17RA with A01311 at 10
ug/mL, followed by goat anti-rabbit IgG secondary antibody
at 1/500 dilution (red) and DAPI staining (blue).

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Anti-IL-17RA Antibody

For Research Use Only. Not for use in diagnostic procedures.