BOSTER BIOLOGICAL TECHNOLOGY
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Anti- IL 17A Monoclonal Antibody

Catalog Number: M00421-2

About Il17a

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.

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Overview

Product Name	Anti- IL 17A Monoclonal Antibody
Reactive Species	Mouse
Description	Boster Bio Anti- IL 17A Monoclonal Antibody catalog # M00421-2. Tested in IHC-P applications. This antibody reacts with Mouse.
Application	IHC-P
Clonality	Monoclonal AFIF-9
Formulation	PBS, pH 7.0. Contains no stabilizers or preservatives
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q62386

Technical Details

Immunogen	Mouse IL-17A cross-linked to OVA
Predicted Reactive Species	Primate
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0001-1) for IHC(P) .

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Cross Reactivity	No cross reactivity with other proteins.
Isotype	Mouse IgG1, kappa
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 2-5ug/ml, Mouse

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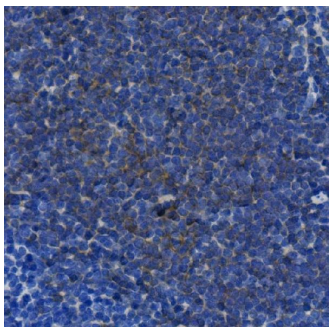
Anti- IL 17A Monoclonal Antibody (M00421-2) Images



IHC analysis of IL17A using anti-IL17A antibody (M00421-2). IL17A was detected in paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/ml mouse anti-IL17A Antibody (M00421-2) overnight at 4°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB as the chromogen.

1 Publications Citing This Product

1. PubMed ID: 10.1038/s41401-021-00706-4, Pirfenidone ameliorates silica-induced lung inflammation and fibrosis in mice by inhibiting the secretion of interleukin-17A

Visit bosterbio.com/anti-il-17a-monoclonal-antibody-m00421-2-boster.html to see all 1 publications.

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