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Datasheet for 209-306-B32

IL-17A Biotin Conjugated Antibody

Overview

Description:	Anti-Human IL-17A (MOUSE) Biotin Conjugated Monoclonal Antibody - 209-306-B32
Item No.:	209-306-B32
Size:	100 µg
Applications:	WB
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	IL17-A (also known as Interleukin-17) 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. IL17-A is the founding member of a group of cytokines called the IL17 family. IL17-A was originally identified as a transcript from a rodent T-cell hybridoma. To elicit its functions, IL17 binds to a type I cell surface receptor called IL17R of which there are at least three variants IL17RA, IL17RB, and IL17RC. Anti-IL-17A antibody is ideal for investigators involved in Immunology research.
Synonyms:	mouse anti-Interleukin-17A biotin conjugated antibody, mouse anti-IL-17A biotin conjugated antibody, IL-17A, Interleukin-17A, Cytotoxic T-Lymphocyte-associated Antigen 8, CTLA8, Interleukin-17, IL17, IL-17, Interleukin17
Host Species:	Mouse
Conjugate:	Biotin
Clonality:	Monoclonal
Clone ID:	4H1524.1
Format:	IgG2b
F/P Ratio:	10-20

Target Details

Gene Name:	IL17A
Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-IL-17A (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with mature full length recombinant human IL-17A produced in E.coli followed by hybridoma development.
Purity/Specificity:	This product was purified from concentrated tissue culture supernate by Protein G chromatography followed by extensive dialysis against the buffer stated above. This antibody is specific for human IL-17A protein. A BLAST analysis was used to suggest cross-reactivity with IL-17A from human sources based on 100% homology with the immunizing sequence. Cross-reactivity with IL-17A from other sources has not been determined.
Relevant Links:	• UniProtKB - Q16552 • GeneID - 3605 • NCBI - NP_002181.1

Application Details

Tested Applications:	WB
Application Note:	This purified antibody has been tested by Western Blot and suitable for use in FLOW. 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:	User Optimized
FC:	User Optimized
WB:	1µg/mL

Formulation

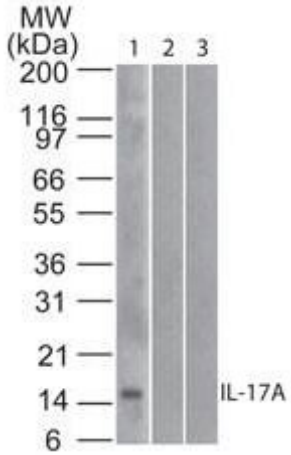
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide

Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. Restore with 0.1 mL of deionized water (or equivalent). For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Mouse Anti-IL-17A antibody. Lane 1: human full length recombinant IL-17A protein. Lane 2: mouse full length recombinant IL-17A protein. Lane 3: rat full length recombinant IL-17A protein. Load: 20 ng/lane. Primary antibody: Anti-IL-17A antibody (209-301-B32) at 1ug/mL for overnight at 4°C.

Disclaimer

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