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Datasheet for 209-406-B32

IL-17A Antibody Biotin Conjugated

Overview

Description:	Anti-Human IL-17A (RABBIT) Antibody Biotin Conjugated - 209-406-B32
Item No.:	209-406-B32
Size:	100 µg
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	IL17-A (also known as Interleukin-17, Cytotoxic T-lymphocyte-associated antigen 8 and CTLA-8 in rodents) 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 IL-17 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.
Synonyms:	rabbit anti-Interleukin-17A biotin conjugated antibody, rabbit 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:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IL17A

Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL17-A protein.
Purity/Specificity:	This purified antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human IL17-A in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
Relevant Links:	• NCBI - AAH662531.1 • UniProtKB - Q16552 • GeneID - 3605

Application Details

Tested Applications:	WB
Application Note:	This purified antibody has been tested in western blotting. By western blot a band approximately 30.3 kDa in size corresponding to human IL17-A protein is expected in the appropriate cell lysate or extract. 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:	1:20,000-1:100,000
IHC:	1:1,000-1:5,000
WB:	1:2,000-1:10,000

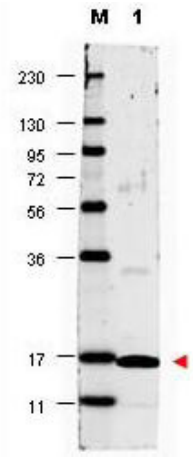
Formulation

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. 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 using Rockland's anti-Human IL17-A antibody shows detection of a band ~17 kDa in size corresponding to recombinant human IL17-A (lane 1). Molecular weight markers are also shown (M). After transfer, the membrane was blocked overnight with 3% BSA in TBS followed by reaction with primary antibody at a 1:1,000 dilution. Detection occurred using DyLight 649 conjugated anti-Rabbit IgG (p/n 611-143-122) secondary antibody diluted 1:20,000 in blocking buffer (p/n MB-070). Image was captured using VersaDoc™ MP 4000 imaging system (Bio-Rad).

Disclaimer

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