

Datasheet for ABIN1043781
anti-Interleukin 17a antibody



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Overview

Quantity:	100 µg
Target:	Interleukin 17a (IL17A)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	IL-17A Antibody
Immunogen:	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. Immunogen Type: Recombinant Protein
Clone:	4H1524-1
Isotype:	IgG2b
Cross-Reactivity (Details):	This antibody is specific for human IL-17A protein.
Characteristics:	Synonyms: mouse anti-Interleukin-17A antibody, mouse anti-IL-17A antibody, IL-17A, Interleukin-17A, Cytotoxic T-Lymphocyte-associated Antigen 8, CTLA8, Interleukin-17, IL17, IL-17, Interleukin17
Purification:	Anti-Human IL-17A (MOUSE) Monoclonal Antibody was purified from concentrated tissue culture supernate by Protein G chromatography followed by extensive dialysis against the

Product Details

buffer stated above.

Sterility: Sterile filtered

Target Details

Target: Interleukin 17a (IL17A)

Alternative Name: IL17A ([IL17A Products](#))

Background: 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.

Gene ID: 3605

UniProt: [Q16552](#)

Application Details

Application Notes: Flow Cytometry Dilution: User Optimized
Application Note: Anti-Human IL-17A antibody has been tested for use in Western Blot and suitable in FLOW. Specific conditions for reactivity should be optimized by the end user.
Western Blot Dilution: 1 µg/mL
ELISA Dilution: 1:10,000-1:50,000
Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Handling

Stabilizer: None

Preservative: 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

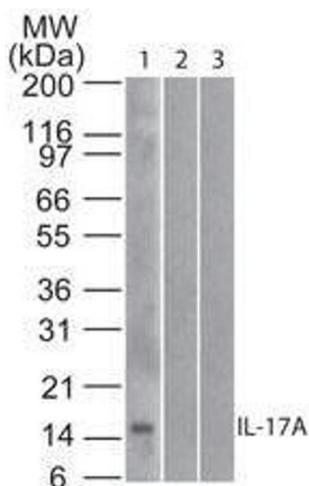
Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months

Publications

Product cited in: Paust, Turner, Steinmetz, Peters, Heymann, Hölscher, Wolf, Kurts, Mittrücker, Stahl, Panzer: "The IL-23/Th17 axis contributes to renal injury in experimental glomerulonephritis." in: **Journal of the American Society of Nephrology : JASN**, Vol. 20, Issue 5, pp. 969-79, (2009) ([PubMed](#)).

Images



Western Blotting

Image 1. 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 at 1ug/mL for overnight at 4°C