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Datasheet for ABIN1043841

anti-Interleukin 17a antibody (HRP)

1 Image

1 Publication

Overview

Quantity:	100 µg
Target:	Interleukin 17a (IL17A)
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Interleukin 17a antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant rat IL17-A protein. Immunogen Type: Recombinant Protein
Isotype:	IgG
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 rat IL17-A in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
Characteristics:	Rat IL17-A (also known as Interleukin-17, Cytotoxic T-lymphocyte-associated antigen 8 and CTLA-8) is a proinflammatory cytokine member of a six-species family of proteins (IL-17A-17F). Rat IL-17A protein is a homodimer consisting of two 134 amino acids peptides. IL-17A is secreted mainly by activated CD4+ and CD8+ T lymphocytes and acts through its receptor, IL-17R, to induce the expression of many mediators of inflammation, most strikingly, those that

Product Details

are involved in the proliferation, maturation and chemotaxis of neutrophils. Elevated levels of IL-17A have been associated with several conditions, including rheumatoid arthritis, airway inflammation, allograft rejection, inflammatory bowel disease, psoriasis, cancer and multiple sclerosis. There is 58% identity between the amino acid sequence of human and rat IL-17A.

Purification: purified

Target Details

Target: Interleukin 17a (IL17A)

Alternative Name: IL-17A ([IL17A Products](#))

Background: Rat IL17-A (also known as Interleukin-17, Cytotoxic T-lymphocyte-associated antigen 8 and CTLA-8) is a proinflammatory cytokine member of a six-species family of proteins (IL-17A-17F). Rat IL-17A protein is a homodimer consisting of two 134 amino acids peptides. IL-17A is secreted mainly by activated CD4+ and CD8+ T lymphocytes and acts through its receptor, IL-17R, to induce the expression of many mediators of inflammation, most strikingly, those that are involved in the proliferation, maturation and chemotaxis of neutrophils. Elevated levels of IL-17A have been associated with several conditions, including rheumatoid arthritis, airway inflammation, allograft rejection, inflammatory bowel disease, psoriasis, cancer and multiple sclerosis. There is 58% identity between the amino acid sequence of human and rat IL-17A. Synonyms: Interleukin-17, Cytotoxic T-lymphocyte-associated antigen 8 and CTLA-8, HRP

Gene ID: 301289

UniProt: [Q61453](#)

Application Details

Application Notes: This purified antibody has been tested for use in ELISA and western blotting. By western blot a band approximately 30.0 kDa in size corresponding to rat IL17-A protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.

Comment: Gene Name: IL17A

Restrictions: For Research Use only

Handling

Format: Lyophilized

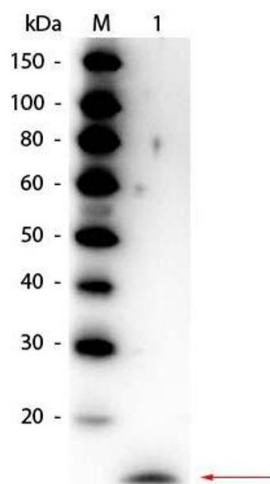
Handling

Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100 μ L
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative:	Gentamicin sulfate
Handling Advice:	Do NOT add Sodium Azide!
Storage:	4 °C/-20 °C
Storage Comment:	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 date is one (1) year from date of opening.
Expiry Date:	12 months

Publications

Product cited in: Hall, Cowan: "Structural features and restricted expression of a human alpha-tubulin gene." in: **Nucleic acids research**, Vol. 13, Issue 1, pp. 207-23, (1985) ([PubMed](#)).

Validation report #101103 for Immunofluorescence (IF)



Western Blotting

Image 1. Western Blot of Rabbit anti-Rat IL-17A Antibody Peroxidase Conjugated. Lane 1: Recombinant Rat IL-17A. Load: 50 ng per lane. Primary antibody: Rabbit anti-Rat IL-17A Antibody Peroxidase Conjugated at 1:1,000 o/n at 4°C. Secondary antibody: none. Block: ABIN925618 for 30 minutes at RT. Predicted/Observed size: 17 kDa, 17 kDa for Rat IL-17A.