



## Mouse Anti-Human IL-17A Monoclonal Antibody Datasheet

**Product Name:** mAb anti-Human IL-17A

**Clone No.:** 10F9

**Lot No.:**

**Catalogue No.:** MO-C40093W

**Quantity:** 0.5 mg

**Expiration:**

**Description:** Mouse monoclonal antibody to human interleukin-17A (IL-17A)

**Product Type:** Primary antibody.

**Purification:** Protein G affinity purified

**Target Protein:** Human IL-17A

**Immunogen:** Purified recombinant human IL-17A

**Fusion Myeloma:** SP2/0

**Specificity:** Reactive with human IL-17A

**Species Reactivity:** Human, others not tested

**Host / Isotype:** Mouse, IgG2b Kappa

**Formulation:** Lyophilized from a solution in 0.01M PBS, pH 7.0

**Reconstitution:** Double distilled water is recommended to reconstitute the antibody to 1mg/ml

**Storage:** Store at -20°C

**Research Area:** Cytokine. Inflammatory and auto-immune diseases

**Background:** IL-17A is an inflammatory cytokine produced by Th17 cells, a newly characterised group of CD4 T help cells that plays a role in autoimmune diseases and chronic inflammatory diseases. IL-23 is the main inducer of Th17 cell development. Other cytokines such as TGF-beta, IL-6 and IL-21 were also found to contribute to the procedure. IL-17A belongs to the IL-17 family which includes IL-17A, IL-17B, IL-17C, IL-17D and IL-17E. IL-17, like interferon-gamma, is a

potent mediator of delayed-type reaction. IL-17 induces the secretion of many other pro-inflammatory cytokines and chemokines such as IL-6, IL-8, GM-CSF, G-CSF, TGF-beta, TNF-alpha, GRO-alpha, and MCP-1. IL-17 stimulates the expression of NF-kappaB, mitogen activated protein kinase, and prostaglandins by many cell types, and enhances the production of nitric oxide.

**Applications:**

**Indirect ELISA:** The antibody reacts with human IL-17A in indirect ELISA.

**Neutralization:** Anti IL-17A clone 10F9 inhibited IL-17A induced IL-6 expression in human dermal fibroblasts. The IC50 was < 0.25µg/ml.

**References:**

If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

**This product is for LABORATORY RESEARCH USE and further manufacture ONLY, and cannot be administered to human and animals for use in diagnostic and therapeutic procedures.**

**Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd.**