
Product Name: IL1A Mouse Monoclonal Antibody**Catalog #: AMM83007**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	30.6kDa

Antigen Information

Gene Name	IL1A
Alternative Names	IL1; IL-1A; IL1F1; IL1-ALPHA; IL-1 alpha
Gene ID	3552.0
SwissProt ID	
Immunogen	Purified recombinant fragment of human IL1A (AA: extra(155-354)) expressed in E. Coli.

Background

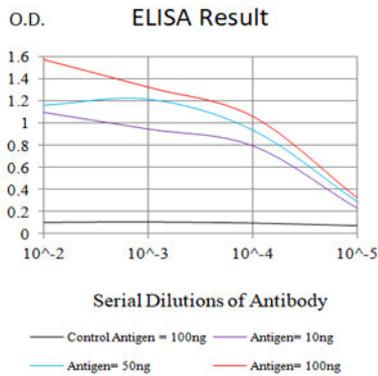
The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces

apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease.

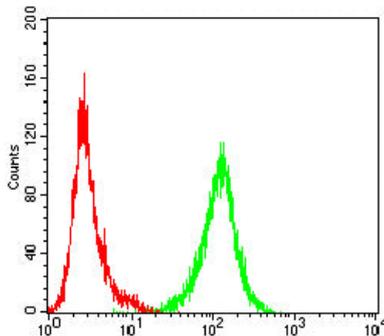
Research Area

TGF-beta signaling pathway, MAPK signaling pathway

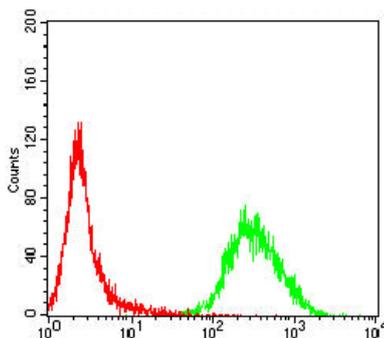
Image Data



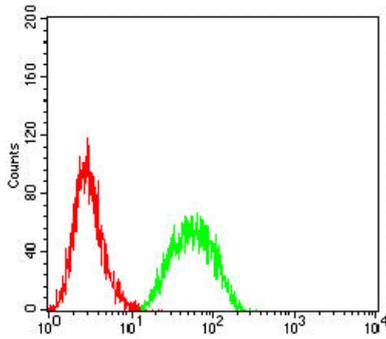
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Flow cytometric analysis of Jurkat cells using IL1A mouse mAb (green) and negative control (red).



Flow cytometric analysis of MOLT4 cells using IL1A mouse mAb (green) and negative control (red).



Flow cytometric analysis of THP-1 cells using IL1A mouse mAb (green) and negative control (red).