
Product Name: IL1B Mouse Monoclonal Antibody**Catalog #: AMM83008**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ICC,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	ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	30.7kDa

Antigen Information

Gene Name	IL1B
Alternative Names	IL-1; IL1F2; IL1beta; IL1-BETA
Gene ID	3553.0
SwissProt ID	
Immunogen	Purified recombinant fragment of human IL1B (AA: 117-269) expressed in E. Coli.

Background

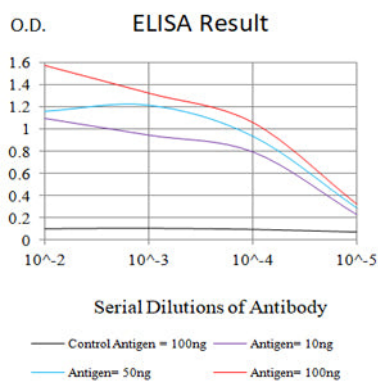
The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1. This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation,

differentiation, and apoptosis. The induction of cyclooxygenase2 by this cytokine in the central nervous system is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.

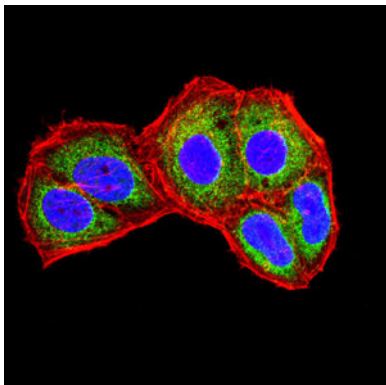
Research Area

TGF-beta signaling pathway, MAPK signaling pathway

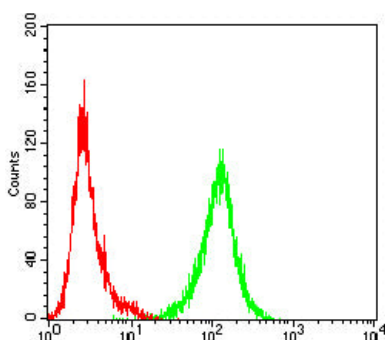
Image Data



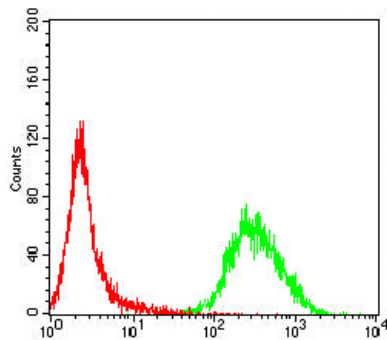
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



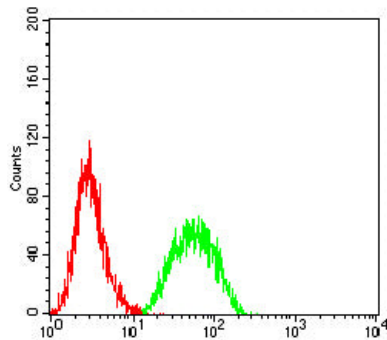
Immunofluorescence analysis of HeLa cells using IL1B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of Jurkat cells using IL1B mouse mAb (green) and negative control (red).



Flow cytometric analysis of MOLT4 cells using IL1B mouse mAb (green) and negative control (red).



Flow cytometric analysis of THP-1 cells using IL1B mouse mAb (green) and negative control (red).