

Summary

Production Name	Stat5 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	Stat5
Alternative Names	MGF; STAT5A
Gene ID	6776.0
SwissProt ID	P42229.Synthesized peptide of human Stat5 (AA: KAVDGP[pTyr]VKPQIK).

Application

Dilution Ratio	FC:1:200-1:400,ELISA:1:10000
Molecular Weight	90.6kDa

Background

The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and

Product Name: Stat5 Mouse Monoclonal Antibody
Catalog #: AMM81410

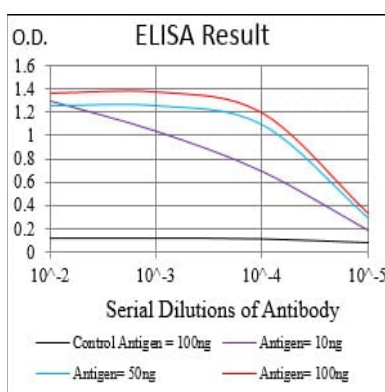


growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been found for this gene.

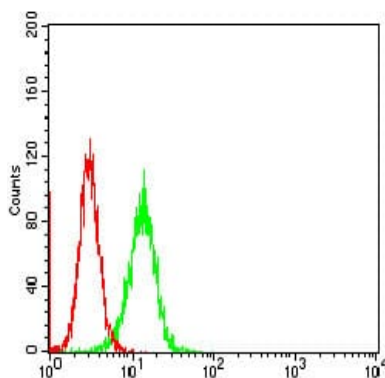
Research Area

Jak-STAT 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 Hela cells using Stat5 mouse mAb (green) and negative control (red).

Note

For research use only.