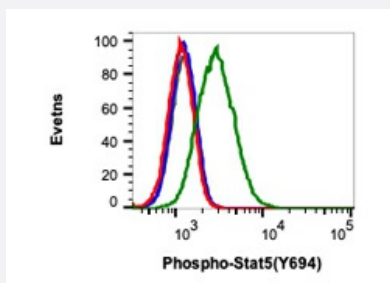


RecomAb™

STAT5A/STAT5B recombinant monoclonal antibody, clone Stat5Y694-B5

Catalog # RAB02823 Size 200 uL

Applications



Flow Cytometry

Flow cytometric analysis of Ramos cells untreated (red) or treated with IFN α +IL-4+ pervanadate (green) using Phospho-Stat5(Tyr694) antibody at 0.05 ug/mL, Stat5Y694-B5, or concentration-matched rabbit (G9) mAb IgG Isotype for cells untreated (black) or treated with IFN α +IL-4+pervanadate (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human STAT5A STAT5B.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr694 of human phospho Stat5
Reactivity	Human
Form	Liquid
Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

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Gene Info — STAT5A

Entrez GeneID[6776](#)**Protein Accession#**[P42229|P51692](#)**Gene Name**

STAT5A

Gene Alias

MGF, STAT5

Gene Description

signal transducer and activator of transcription 5A

Omim ID[601511](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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

Other Designations

-

Gene Info — STAT5B

Entrez GeneID[6777](#)

Protein Accession#	P42229 P51692
Gene Name	STAT5B
Gene Alias	STAT5
Gene Description	signal transducer and activator of transcription 5B
Omim ID	245590 604260
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and 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 mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small subset of acute promyelocytic leukemias (APLL). The dysregulation of the signaling pathways mediated by this protein may be the cause of the APLL. [provided by RefSeq]
Other Designations	transcription factor STAT5B

Pathway

- [Acute myeloid leukemia](#)
- [Acute myeloid leukemia](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Chronic myeloid leukemia](#)
- [ErbB signaling pathway](#)
- [ErbB signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)
- [Pathways in cancer](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glioma](#)
- [Hepatitis C](#)
- [Infant](#)
- [Leukemia](#)
- [Leukemia](#)

- [Liver Neoplasms](#)
- [Lupus Erythematosus](#)
- [Meningeal Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Meningioma](#)
- [Respiratory Syncytial Virus Infections](#)
- [Tooth Abnormalities](#)
- [Viremia](#)