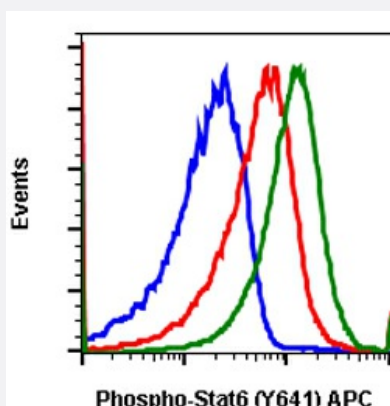


RecomAb™

STAT6 recombinant monoclonal antibody, clone Stat3Y705-B12 (APC)

Catalog # RAB02880 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of U937 cells unstained and untreated cells as negative control (blue) or stained and untreated (red) or treated with IFNα plus IL-4 (green) using Phospho-Stat6 (Tyr641) antibody Stat6Y641-G12 APC conjugate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human STAT6.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr641 of human phospho Stat6
Reactivity	Human
Form	Liquid
Purification	Protein A+G
Isotype	Rabbit IgG1k
Conjugation Note	APC
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.

Storage Buffer	1X PBS, 0.09% Sodium azide, 0.2% BSA
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Flow cytometric analysis of U937 cells unstained and untreated cells as negative control (blue) or stained and untreated (red) or treated with IFN α plus IL-4 (green) using Phospho-Stat6 (Tyr641) antibody Stat6Y641-G12 APC conjugate.

Gene Info — STAT6

Entrez GeneID	6778
Protein Accession#	P42226
Gene Name	STAT6
Gene Alias	D12S1644, IL-4-STAT, STAT6B, STAT6C
Gene Description	signal transducer and activator of transcription 6, interleukin-4 induced
Omim ID	601512
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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. [provided by RefSeq]
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Other Designations	STAT, interleukin4-induced signal transducer and activator of transcription 6 transcription factor IL-4 STAT
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Pathway

- [Jak-STAT signaling pathway](#)

Disease

- [Anaphylaxis](#)
- [Arthritis](#)
- [Ascariasis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Confusion](#)
- [Crohn Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Hypersensitivity](#)
- [Edema](#)
- [Endometriosis](#)
- [Food Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Graves Disease](#)

- [Hypersensitivity](#)
- [Infant](#)
- [Infertility](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Diseases](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Nausea](#)
- [Neoplasms](#)
- [Nephrosis](#)
- [Nephrotic Syndrome](#)
- [Nut Hypersensitivity](#)
- [Pain](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)