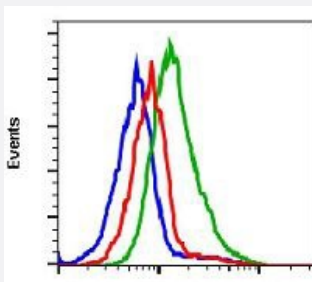


STAT4 (phospho Y693) monoclonal antibody, clone F6 (SureLight 488)

Catalog # MAB21628 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of K562 cells with STAT4 (phospho Y693) monoclonal antibody, clone F6 (SureLight 488) (Cat # MAB21628). Treated with imatinib and unstained as negative control (blue) or treated with imatinib and stained (red) or treated with IFN α + IL-4 + pervanadate and stained (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human STAT4.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y693 of human STAT4.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	SureLight 488
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

Storage Instruction

Store at 4°C.

Note

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

Applications

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Gene Info — STAT4

Entrez GeneID

[6775](#)

Protein Accession#

[Q14765](#)

Gene Name

STAT4

Gene Alias

SLEB11

Gene Description

signal transducer and activator of transcription 4

Omim ID

[152700](#) [180300](#) [600558](#)

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 essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. [provided by RefSeq]

Other Designations

OTTHUMP00000163553

Pathway

- [Jak-STAT signaling pathway](#)

Disease

- [Antiphospholipid Syndrome](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)
- [Giant Cell Arteritis](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)

- [Lupus Nephritis](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Osteoarthritis](#)
- [Proteinuria](#)
- [Psoriasis](#)
- [Pulmonary Fibrosis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Scleroderma](#)
- [Tobacco Use Disorder](#)
- [Uveomeningoencephalitic Syndrome](#)
- [Wegener Granulomatosis](#)