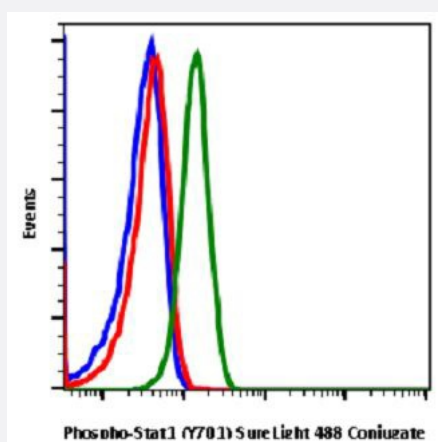


STAT1 (phospho Y701) monoclonal antibody, clone 3E6 (SureLight 488)

Catalog # MAB19093 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of U937 cells unstained untreated cells as negative control (blue) or stained untreated (red) or treated with IFN α IL-4 and pervanadate (green) using STAT1 (phospho Y701) monoclonal antibody (SureLight 488).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human STAT1.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y701 of human STAT1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	SureLight 488
Purification	Protein A/G Purification
Isotype	IgG1k
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells or 0.05 μ g/mL) 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 2-8°C.
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 untreated cells as negative control (blue) or stained untreated (red) or treated with IFN α IL-4 and pervanadate (green) using STAT1 (phospho Y701) monoclonal antibody (SureLight 488).

Gene Info — STAT1

Entrez GeneID	6772
Gene Name	STAT1
Gene Alias	DKFZp686B04100, ISGF-3, STAT91
Gene Description	signal transducer and activator of transcription 1, 91kDa
Omim ID	209950 600555
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a member of the STAT protein family. 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 can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]
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Other Designations	OTTHUMP00000165047 signal transducer and activator of transcription 1 signal transducer and activator of transcription-1 transcription factor ISGF-3 components p91/p84
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Pathway

- [Chemokine signaling pathway](#)
- [Jak-STAT signaling pathway](#)

- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Campylobacter Infections](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hypersensitivity](#)

- [Infant](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Neutropenia](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Papillomavirus Infections](#)
- [Proteinuria](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Salmonella Infections](#)
- [Thrombocytopenia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Viremia](#)
- [Werner syndrome](#)