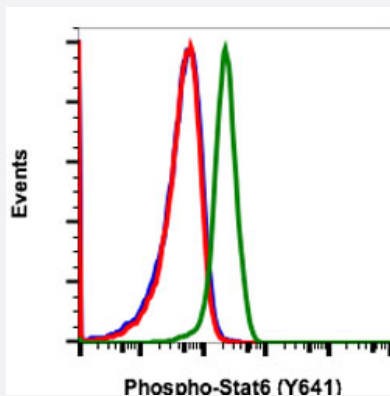


# STAT6 (phospho Y641) monoclonal antibody, clone G12 (FITC)

Catalog # MAB19153      Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of U937 cells with STAT6 (phospho Y641) monoclonal antibody, clone G12 (FITC) (Cat # MAB19153). Unstained cells negative control (blue) or stained and untreated (red) or treated with IFN $\alpha$  and IL-4 (green).

## Specification

|                            |                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit monoclonal antibody raised against synthetic phosphopeptide of human STAT6.                             |
| <b>Immunogen</b>           | A synthetic phosphopeptide corresponding to residues surrounding Y641 of human STAT6.                          |
| <b>Host</b>                | Rabbit                                                                                                         |
| <b>Reactivity</b>          | Human, Mouse                                                                                                   |
| <b>Form</b>                | Liquid                                                                                                         |
| <b>Conjugation</b>         | FITC                                                                                                           |
| <b>Purification</b>        | Protein A/G purification                                                                                       |
| <b>Isotype</b>             | IgG1, kappa                                                                                                    |
| <b>Recommend Usage</b>     | Flow Cytometry (5 $\mu$ L/ $10^6$ cells)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | 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

- Flow Cytometry

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## Gene Info — STAT6

## Entrez GeneID

[6778](#)

## 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]

## Other Designations

STAT, interleukin4-induced|signal transducer and activator of transcription 6|transcription factor IL-4 STAT

## 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](#)