

## Anti-STAT6 Antibody Picoband® FITC Conjugated

Catalog Number: PA1691-FITC

### About STAT6

STAT6 is a human gene. The protein encoded by this gene is a member of the STAT family of transcription factors. The gene spans 19 kb and contains 23 exons. 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), expression of cell surface markers, and class switch of immunoglobulins.

### Overview

Product Name	Anti-STAT6 Antibody Picoband® FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P42226

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human STAT6, different from the related rat sequence by one amino acid, and from the mouse sequence by two amino acids.
Cross Reactivity	No cross reactivity with other proteins
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen Affinity Purified
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

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1. PubMed ID: 24674464, Li Z, Guan Yq, Liu Jm. Biomaterials. 2014 Jun;35(18):5016-27. Doi: 10.1016/J.Biomaterials.2014.03.004. Epub 2014 Mar 25. The Role Of Stat-6 As A Key Transcription Regulator In Hela Cell Death Induced By Ifn- $\gamma$ /Tnf- $\alpha$  Co-Immobilized On Nanoparticles.

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