




Product datasheet

FITC Anti-STAT5 (phospho Y694) antibody [Stat5Y694-G11] ab278791

Recombinant

2 Images

Overview

Product name	FITC Anti-STAT5 (phospho Y694) antibody [Stat5Y694-G11]
Description	FITC Rabbit monoclonal [Stat5Y694-G11] to STAT5 (phospho Y694)
Host species	Rabbit
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse Predicted to work with: Human 
Immunogen	Synthetic peptide within Human STAT5 (phospho Y694). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <u>contact</u> our Scientific Support team to discuss your requirements. Database link: <u>P42229</u>
	 <u>Run BLAST with</u>  <u>Run BLAST with</u>
Positive control	Flow cyt: NIH/3T3 cells treated with pervanadate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information <u>see here</u> .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 99.71% PBS, 0.2% BSA
Purity	Protein A/G purified

Clonality	Monoclonal
Clone number	Stat5Y694-G11
Isotype	IgG
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab278791 in the following tested applications.

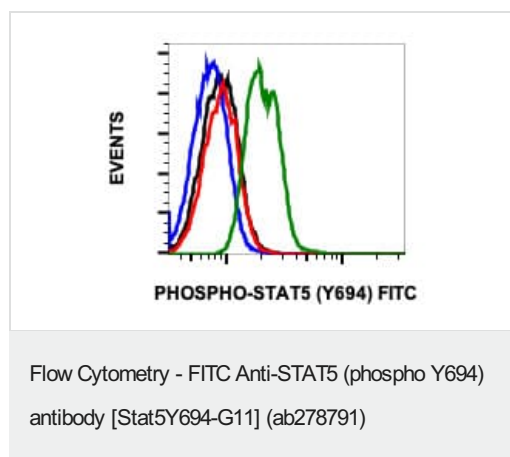
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 5µl for 10 ⁶ cells.

Target

Function	Carries out a dual function: signal transduction and activation of transcription. Binds to the GAS element and activates PRL-induced transcription.
Sequence similarities	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
Post-translational modifications	Tyrosine phosphorylated in response to IL-2, IL-3, IL-7, IL-15, GM-CSF, growth hormone, prolactin, erythropoietin and thrombopoietin. Tyrosine phosphorylation is required for DNA-binding activity and dimerization. Serine phosphorylation is also required for maximal transcriptional activity.
Cellular localization	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

Images



Flow cytometric analysis of NIH3T3 cells treated with imatinib (red) or treated with pervanadate (green) using ab278791, or concentration-matched Rabbit (G9) mAb IgG Isotype Control (FITC Conjugate) for cells treated with imatinib (black) or treated with pervanadate (blue).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

FITC Anti-STAT5 (phospho Y694) antibody
[Stat5Y694-G11] (ab278791)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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