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12-4018: Phospho-Stat6 (Tyr641) (Clone: G12) rabbit mAb FITC conjugate

Clonality: Monoclonal
Clone Name: Stat6Y641-G12

Application: FACS

Reactivity: Human, Mouse

Conjugate: FITC

Format: Conjugated

Alternative Name: Signal transducer and activator of transcription 6, IL-4 Stat

Isotype: Rabbit IgG1k

Immunogen Information: A synthetic phospho-peptide corresponding to residues surrounding Tyr641 of human phospho

Stat6

Description

The transcription factor Stat6 is a member of the signal transducers and activators of transcription (STAT) family of proteins. Stat6 is the only member of this family that is activated by interleukin-4 (IL-4), after which Stat6 is both tyrosine- and serine-phosphorylated by Jak kinases. The consensus Stat6 binding site TTCN4GAA is found in the promoters of many genes regulated by IL-4. In T lymphocytes, Stat6 is required for differentiation into Th2 cells in response to IL-4. Stat6 may play a role in solid tumorigenesis; a large immunohistochemistry study of Stat6 expression in over 2,000 tumor samples confirmed strong nuclear staining.

Product Info

Amount: 10 Tests / 100 Tests

Content: 1X PBS, 0.09% NaN3, 0.2% BSA

Storage condition : Store at 2-8°C. Avoid repeated freeze and thaw cycles.

Application Note

For flow cytometric staining, the suggested use of this reagent is 5 $\hat{A}\mu L$ per million cells or 5 $\hat{A}\mu L$ per 100 $\hat{A}\mu L$ of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

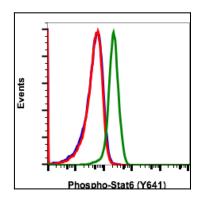


Fig-1: Flow cytometric analysis of U937 cells unstained cells negative control (blue) or stained and untreated (red) or treated with IFNa and IL-4 (green) using Phospho-Stat6 (Tyr641)-FITC antibody Stat6Y641-G12-FITC.