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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 ÃÂµL per million cells or 5 ÃÂµL per 100 ÃÂµL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

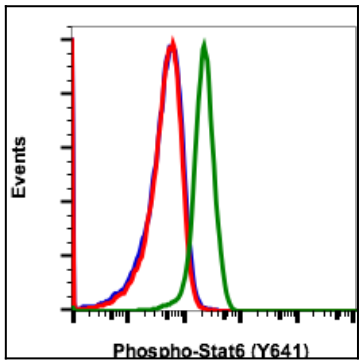

Fig-1: Flow cytometric analysis of U937 cells unstained cells negative control (blue) or stained and untreated (red) or treated with IFNa and IL-4 (green) using Phospho-Stat6 (Tyr641)-FITC antibody Stat6Y641-G12-FITC.