

## 12-4142: Phospho-Stat6 (Tyr641) (Clone: G12) rabbit mAb PE conjugate

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	Stat6Y641-G12
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human, Mouse
<b>Conjugate :</b>	PE
<b>Format :</b>	Conjugated
<b>Alternative Name :</b>	Signal transducer and activator of transcription 6, IL-4 Stat
<b>Isotype :</b>	Rabbit IgG1k
<b>Immunogen Information :</b>	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

<b>Amount :</b>	10 Tests / 100 Tests
<b>Content :</b>	1X PBS, 0.09% NaN <sub>3</sub> , 0.2% BSA
<b>Storage condition :</b>	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  $\mu$ L per million cells or 5  $\mu$ L per 100  $\mu$ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

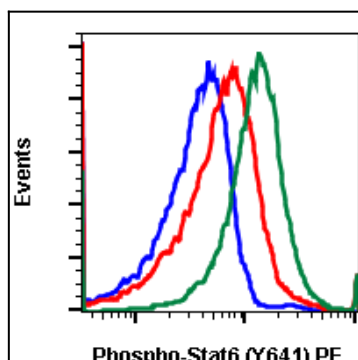


Fig-1: Flow cytometric analysis of U937 cells unstained and untreated cells as negative control (blue) or stained and untreated (red) or treated with IFN $\alpha$  and IL-4 (green) using Phospho-Stat6 (Tyr641)-G12 antibody Stat6Y641-G12 PE conjugate.