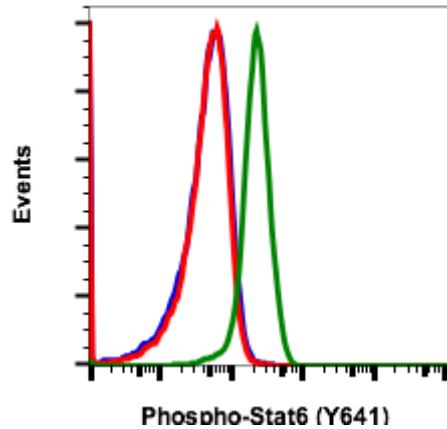


*For Research Use Only. Not For Use In Diagnostic Procedures.*

Applications	Detection	Clonality	Isotype
Flow Cytometry	N/A	Monoclonal	Rabbit IgGk

<b>Format:</b>	FITC
<b>Cross Reactivity:</b>	Predicted to work with mouse, rat and other homologues.
<b>Formulation:</b>	1X PBS, 0.09% NaN3, 0.2% BSA
<b>Preparation:</b>	Protein A+G
<b>Reactivity:</b>	Human, Mouse
<b>Recommended Usage:</b>	For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Immunogen:</b>	A synthetic phospho-peptide corresponding to residues surrounding Tyr641 of human phospho Stat6
<b>Description:</b>	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 TTCTN4GAA 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.
<b>References:</b>	Kaplan MH, Schindler U, Smiley ST, and Grusby MJ. (1996) <i>Immunity</i> . 4:313-319. Demicco EG, Harms PW, Patel RM, et al. (2015) <i>American Journal of Clinical Pathology</i> . 143:672-682. Wick KR, and Berton MT. (2000) <i>Molecular Immunology</i> . 37:641-652.



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. Cat. #1148.