

Phospho-Stat6 (Tyr641) (G12) rabbit mAb APC conjugate

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

Applications

Flow Cytometry

Detection

N/A

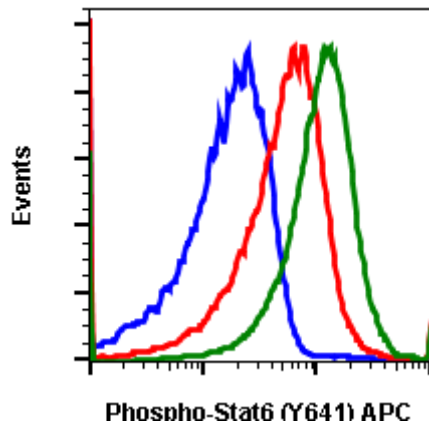
Clonality

Monoclonal

Isotype

Rabbit IgGk

Format:	APC
Cross Reactivity:	Predicted to work with mouse, rat and other homologues.
Formulation:	1X PBS, 0.09% NaN ₃ , 0.2% BSA
Preparation:	Protein A+G
Reactivity:	Human, Mouse
Recommended Usage:	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.
Immunogen:	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.
References:	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 and untreated cells as negative control (blue) or stained and untreated (red) or treated with IFN α plus IL-4 (green) using Phospho-Stat6 (Tyr641) antibody Stat6Y641-G12 APC conjugate. Cat. #1149.