

Product name:	STAT6 Mouse Monoclonal Antibody
Cat number:	MABN80861
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG1
Immunogen:	Purified recombinant fragment of human STAT6 expressed in E. Coli.
Reactivity:	Human, Mouse, Rat, Monkey
Applications:	WB 1:500-1:2000, ICC 1:200-1:1000, ELISA 1:5000-1:20000
Molecular Weight:	94kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	STAT6 protein is a transcription factor activated by cytokines, particularly interleukin 4 and IL 13. (STAT6 ^{-/-}) were found to be deficient in IL 4 mediated functions including Th2 helper T cell differentiation, expression of cell surface markers, T cell proliferation, immunoglobulin class switching to IgE, and partial loss of IL 4 mediated proliferation. STAT6 mRNA has been detected in peripheral blood lymphocytes, colon, intestine, ovary, prostate, thymus, spleen, kidney, liver, lung and placenta. STAT6 is critically involved in Th2 immune response.