



STAT6 Mouse Monoclonal Antibody

E10-30068

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.

Catalog Number: E10-30068

Amount: 100µg/100µl

Clone Number: 7D3

Species: Mouse IgG1

MW: 94kDa

Aliases: STAT6B; STAT6C; D12S1644; IL-4-STAT; STAT6

Entrez Gene: 6778

Immunogen: Purified recombinant fragment of human STAT6 expressed in E. Coli.

Storage: Store at 4 °C for long term storage, store at -20 °C

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human; Mouse; Rat; Monkey

Tested Applications: WB, IF, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB 1/500 - 1/2000, IF: 1/200 - 1/1000. ELISA. Propose dilution 1/10000.

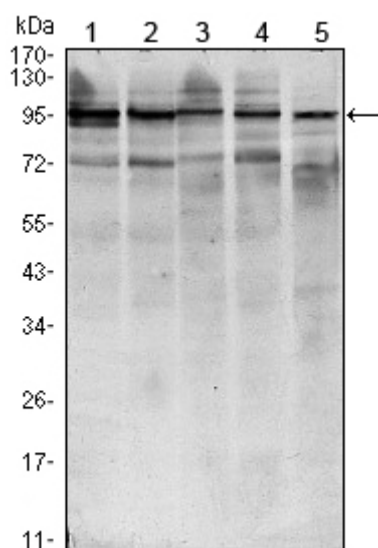


Figure 1. Western blot analysis using STAT6 mouse mAb against HEK293 (1), NIH/3T3 (2), MCF-7 (3), Raw246.7 (4) and PC-12 (5) cell lysate.

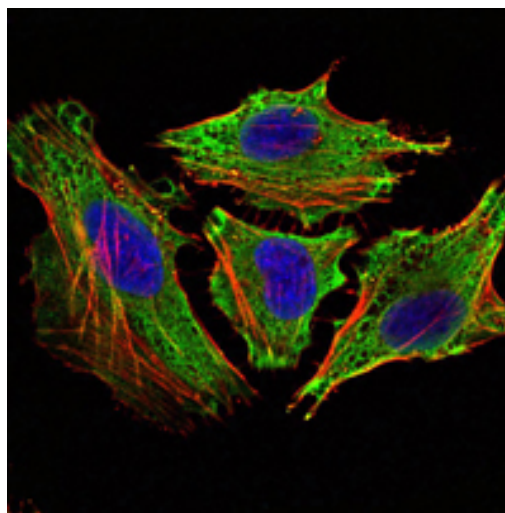


Figure 2. Immunofluorescence analysis of HeLa cells using STAT6 mouse mAb (green). Blue. DRAQ5 fluorescent DNA dye. Red. Actin filaments have been labeled with Alexa Fluor-555 phalloidin

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