

## STAT6 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA2138
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human STAT6 expressed in E. Coli.
<b>Mol wt</b>	94kDa
<b>Species reactivity</b>	Human,Mouse,Rat,Monkey
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,ICC
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	STAT6B;STAT6C;D12S1644;IL-4-STAT;STAT6

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

STAT6 protein is a transcription factor activated by cytokines, particularly interleukin 4 and IL 13. (STAT6<sup>-/-</sup>) 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 bloodlymphocytes, colon, intestine, ovary, prostate,thymus, spleen, kidney, liver, lung and placenta. STAT6 is critically involved in Th2 immune response.

### Recommended Dilution

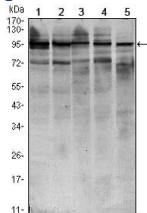
WB: 1:500 - 1:2000

ICC: 1:200 - 1:1000

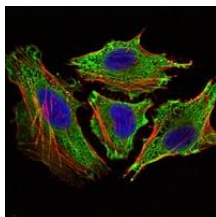
ELISA: 1:10000

Not yet tested in other applications.

### Images



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.



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

## Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: [save@bt-laboratory.com](mailto:save@bt-laboratory.com) | [www.bt-laboratory.com](http://www.bt-laboratory.com)