

## JAK3 Monoclonal Antibody

### Description

Product type	Antibody
Code	BT-MCA4724
Host	Mouse
Isotype	Mouse IgG1
Size	100 $\mu$ L, 50 $\mu$ L
Immunogen	Purified recombinant fragment of human JAK3 expressed in E. Coli.
Mol wt	125kDa
Species reactivity	Human,Mouse
Clonality	Monoclonal
Recommended application	WB,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	JAKL;LJAK

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

### Background

JAK3, Janus kinase 3. It is a member of the Janus kinase (JAK) family of tyrosine kinases involved in cytokine receptor-mediated intracellular signal transduction. It is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors. Mutations in this gene are associated with autosomal SCID (severe combined immunodeficiency disease).

### Recommended Dilution

WB: 1:500 - 1:2000

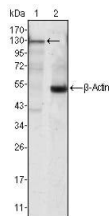
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

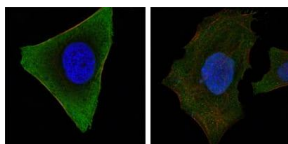
ELISA: 1:10000

Not yet tested in other applications.

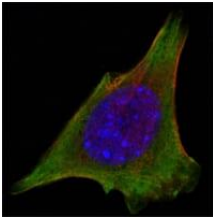
### Images



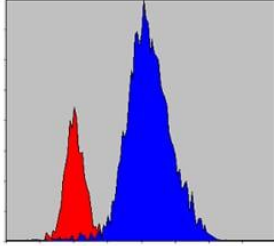
Western blot analysis using JAK3 mouse mAb against Jurkat cell lysate (1).



Confocal Immunofluorescence analysis of HeLa (left) and HepG2 (right) cells using JAK3 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Confocal Immunofluorescence analysis of 3T3-L1 cells using JAK3 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of HeLa cells using JAK3 mouse mAb (blue) and negative control (red).

### Storage

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

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