

## Product datasheet for **AM06376SU-N**

### JAK3 Mouse Monoclonal Antibody [Clone ID: 5H2]

#### Product data:

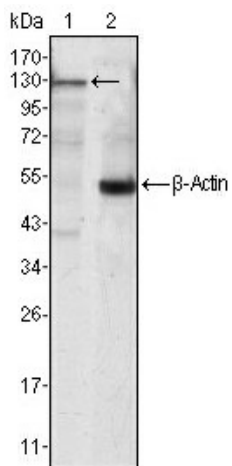
Product Type:	Primary Antibodies
Clone Name:	5H2
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>Immunofluorescence:</b> 1/200 - 1/1000. <b>Flow cytometry:</b> 1/200 - 1/400. <b>ELISA:</b> 1/10000.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human JAK3 expressed in E. Coli.
Specificity:	This antibody reacts to JAK3.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	Human and Mouse.
Gene Name:	Janus kinase 3
Database Link:	<a href="#">Entrez Gene 3718 Human P52333</a>
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).



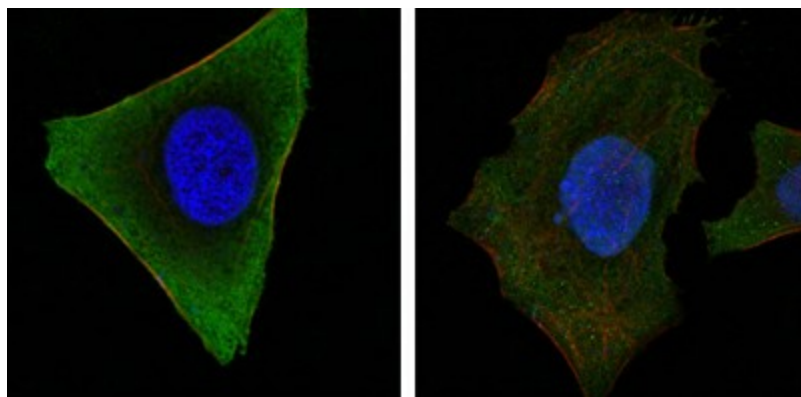
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Synonyms: Janus kinase 3, JAK-3, L-JAK

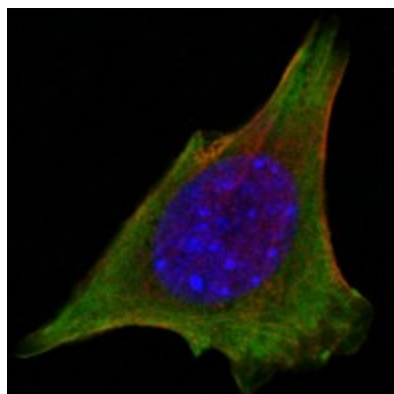
**Product images:**



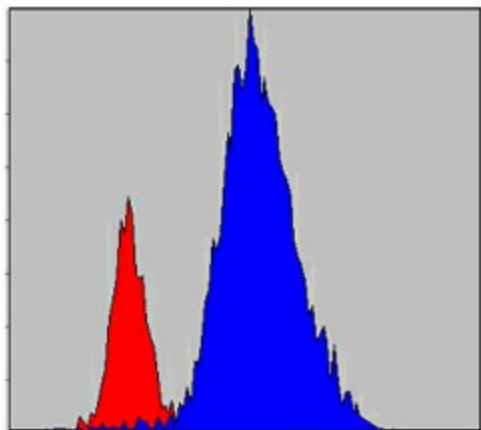
Western blot analysis using JAK3 mouse mAb against Jurkat cell lysate (1).



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).