

## STAT3 mouse mAb(1E3) antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A22001	Mouse	1 mg/ml	

<b>Applications</b>	WB,IHC
<b>Reactivity</b>	Human,Rat,Mouse
<b>Dilution</b>	WB 1:1000-2000, IHC 1:100-200
<b>Storage</b>	-20°C/1 year
<b>Specificity</b>	STAT3 protein detects endogenous levels of STAT3
<b>Source / Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Immunogen</b>	Recombinant Protein of STAT3
<b>Uniprot No</b>	P40763
<b>Alternative names</b>	STAT3; APRF; Signal transducer and activator of transcription 3; Acute-phase response factor
<b>Form</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Conjugation</b>	
<b>Background</b>	<p>signal transducer and activator of transcription 3(STAT3) Homo sapiens</p> <p>The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper</p>
<b>Other</b>	STAT3, Signal transducer and activator of transcription 3 (Acute-phase response factor)

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**Product Images:****Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation  
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster  
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All  
Species Expected

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**Regulatory Disclaimer**

*For life science research only. Not for use in diagnostic procedures.*

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