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Anti-STAT3 Mouse mAb [73D34]

Catalog No.: A33118

Basic Information

Catalog No. (Cat.No.)	A33118
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,ICC/IF,IF-P,ELISA
Synonyms	STAT3,STAT3,APRF,Signal transducer and activator of transcription 3,Acute-phase response factor

Product Information

Target	STAT3
Molecular Weight(Calculated)	92 kDa
Molecular Weight(Observed)	NA
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Monoclonal
Clone No.	73D34
RRID	NA
Storage buffer	0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000
IHC	1:1000
ICC/IF	1:100-1:500
IF-P	1:200-1:2000
ELISA	1:5000-1:20000

Target Information

Protein Name	Signal-transducer-and-activator-of-transcription-3
Gene Name	*STAT3*
Domain	Full length
Background	STAT3 (Signal transducer and activator of transcription 3) is central JAK-STAT-family transcription factor transducing cytokine- and growth-factor-derived signals to control proliferation, survival, inflammation, EMT and stem-cell homeostasis. In resting cells STAT3 resides in cytosol. Cytokine-receptor-triggered JAK activity induces Tyr705 phosphorylation, STAT3 dimerization and nuclear translocation for target-gene transcription. Ser727 phosphorylation modulates mitochondrial functions. STAT3 supports physiological homeostasis while exerting potent oncogenic effects; constitutive STAT3 activation is frequently observed in solid and haematological tumours.