

Product datasheet for **TA389217**

STAT3 Mouse Antibody [Clone ID: M263]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M263
Applications:	IP, WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone (M263) was generated from a recombinant protein that included amino acid residues in the N-terminal region of human Stat3. This sequence has high homology to the conserved regions in rat and mouse Stat3 α and β .
Specificity:	The antibody detects 86 and 79 kDa* bands corresponding to Stat3 isoforms on SDS-PAGE immunoblots of human A431 cells.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Concentration:	lot specific
Purification:	Protein A Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	79/86
Database Link:	P40763
Background:	The stat proteins (Stat1-6) function both as cytoplasmic signal transducers and as activators of transcription in response to cytokines and growth factor receptors. Stat3 is expressed as two variants, Stat3 α (86 kDa) and Stat3 β (79 kDa) that can differ in expression and activity depending on cell type, activation pathway, and cell maturation stage. Both are activated by phosphorylation at Tyr-705, which induces dimerization, nuclear translocation and DNA binding. Stat3 α (86 kDa) transcriptional activation may be regulated by phosphorylation at Ser-727 through the MAPK pathway, while Stat3 β lacks this serine site.



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Note: Protein G purified tissue culture supernatant.