

**DATASHEET**

**STAT3 Mouse Monoclonal Antibody(C3376)**

CAT. NO. AMA02988

**KEY FEATURES**

Target	STAT3	Source / Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey, Hamster	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.	Storage	at-20°C

**BACKGROUND**

Signal transducer and transcription activator that mediates cellular responses to interleukins, KITLG/SCF, LEP and other growth factors . Once activated, recruits coactivators, such as NCOA1 or MED1, to the promoter region of the target gene . May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4 . Upon activation of IL6ST/gp130 signaling by interleukin-6 (IL6), binds to the IL6-responsive elements identified in the promoters of various acute-phase protein genes . Activated by IL31 through IL31RA .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

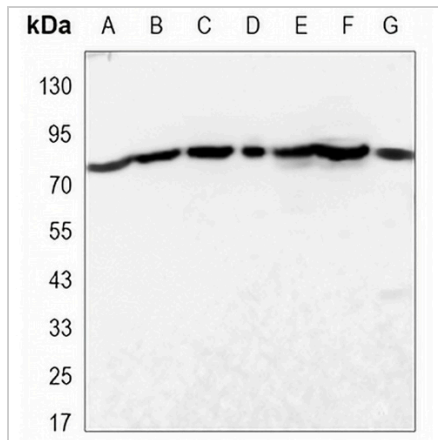
Description	Mouse monoclonal antibody to STAT3
Specificity	Recognizes endogenous levels of STAT3 protein.
Antibody Type	Primary antibody
Immunogen	Purified recombinant human STAT3 protein fragments expressed in E.coli
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 88 kD; Observed: 88 kD
Form/Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Alternative Names	APRF; Signal transducer and activator of transcription 3; Acute-phase response factor
Gene Symbol	STAT3
Entrez Gene	6774(Human); 20848(Mouse); 25125(Rat)
SwissProt	P40763(Human); P42227(Mouse); P52631(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of STAT3 expression in C6 (A), NIH3T3 (B), K562 (C), Jurkat (D), HeLa (E), MCF7 (F), COS7 (G) whole cell lysates. (Predicted band size: 88 kD; Observed band size: 88 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.