

Mouse Monoclonal Antibody to

STAT3 (phospho-Ser 727)

clone 23G5

Order No.:	0145-100/STAT3-23G5
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Size (µg) Lot No.: 100 0145S



www.nanotools.de

orders & support: email: info@nanotools.de phone: +49-7641-455 670 fax: +49-7641-455 671

03/080507F

Isotype S	Species Reactiv	/ity Ap	plications	Mol. Weight	Ref.Cell Line	Epitope		Immunogen
•	uman, mouse, og	rat, WE IHC		92 kDa	HepG2	phosphoserir L P M pS F		phosphopeptide conjugated to KLH
Background	and Specificity	<u>/:</u>					Related Pro	oducts
transcription. S cytokine signa Phosphorylate STAT dimers I target genes. Besides tyrosi serine 727. Re phosphorylato Mab STAT3-2 not crossreact	STATs are med al, STAT protein ed STAT proteir bind to specific ine phosphoryla ecent reports in on at serine 727 23G5 specifically t with the non-pl	iators invo s are pho is dimeriz DNA elen tion, STA dicate tha , y recogniz nosphoryl	olved in cyto sphorylated e via their S nents resulti T3 activity is both MAP es STAT3 p ated form of	kine signalling. I on conserved ty H2 domains and ng in transcriptio regulated by se kinase and SAP hosphorylated a STAT3 nor with	at Ser 727. The anti	ecific us. The ownstream on at body does	#0176-100/STAT1 mab to STAT #0036-100/STAT3 mab to STAT 695/699) #0121-100/STAT5 mab to STAT #0079-100/STAT6	3 (phospho-Tyr 705) -9E12 5 A/B (phospho-Tyr -5G4 6 (phosph-Tyr 641) -16E12 6 (aa 630-650)
Purification:		supernata		ified from serum quent thiophilic a aphy.				
Formulation:		lyophilize Sucrose.	d from 1 ml :	2 x PBS / 0.09 %				
Reconstitutio	on:	Reconstit	ute with 1 m	I H₂O (15 min, R				
Stability:		For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.						123
		Avoid rej	eated free	ze / thaw cycles	5.		200 — 116 —	= -==
Positive Cont	trol:	#0812: Co	ell lysate fro	m pervanadate-t	treated HepG2 cells	6	66 —	
Immunoblotti		Recomm blocking	ended bloc and blot incu		asein/Tween 20 bas .g. nanoTools produ ≥T.		45 — 31 —	4.11
Immunopreci	ipitation:	ND					Phosphospecific	ty
Immunocytoo	chemistry:	ND					pervanadate treate SDS-PAGE (ca 20	s of control (1), EGF stimulated (2) or ad (3) A 431 tumor cells were applied to .000 cells per lane) and transferred to a munoblot was probed with mab STAT3
ELISA:		use at 0.1	µg/ml					at RT and developed by
	All produ	cts are su	pplied for	research and in	vestigational			

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.

