

Product Data Sheet

Phospho-Stat3 pTyr705 Antibody (G.374.10)

(This product has been discontinued.)

Tested Species Reactivity
Human (Hu)
Mouse (Ms)
Rat (Rt)
Non-human primate (Nhp)
Bovine (Bv)
Hamster (Hm)
Porcine (Po)
Equine (Eq)

Tested Applications	Dilution *
Western Blot (WB)	1:2000
Immunofluorescence (IF)	1:100
Immunohistochemistry (Frozen) (IHC (F))	1:200
Immunohistochemistry (Paraffin) (IHC (P))	1:400
Flow Cytometry (FACS)	1:200
Immunoprecipitation (IP)	1:100
ChIP assay (ChIP)	1:100

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	MA5-11189
Size:	100 µL
Class:	Monoclonal
Type:	Antibody
Clone:	G.374.10
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic phosphopeptide corresponding to residues surrounding pTyr705 of mouse Stat3

Form Information	
Form:	Liquid
Purification:	Affinity chromatography
Storage Buffer:	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative:	<0.02% sodium azide
Storage Conditions:	-20°C

Product Specific Information	General Information
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It is not recommended to aliquot this antibody.

This antibody is not cross-reactive with phospho-EGFR or the corresponding phospho-tyrosines of other Stat proteins.

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. Three alternatively spliced transcript variants encoding distinct isoforms have been described.

This product is for In Vitro experimental use only. Not for resale without express authorization.

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