

## Mouse Monoclonal Antibody to STAT3

<b>Catalogue Number</b>	sAP-0242
<b>Target Molecule</b>	<p><b>Name:</b> STAT3</p> <p><b>Aliases:</b> APRF; HIES</p> <p><b>MW:</b> N/A</p> <p><b>Entrez Gene ID:</b> 6774</p>
<b>Description</b>	STAT3: signal transducer and activator of transcription 3 (acute-phase response factor). 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
<b>Immunogen</b>	Purified recombinant fragment of STAT3 expressed in E. Coli. ;
<b>Reactive Species</b>	Human
<b>Clone</b>	MM7G3H4;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ;
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. APMIS. 2007 Dec;115(12):1331-43. ; 2. Oncol Rep. 2008 Sep;20(3):597-604.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**