

## Mouse Monoclonal Antibody to STAT5A

<b>Catalogue Number</b>	sAP-0770
<b>Target Molecule</b>	<p><b>Name: STAT5A</b></p> <p><b>Aliases:</b> MGF; STAT5</p> <p><b>MW: 90.6kDa</b></p> <p><b>Entrez Gene ID: 6776</b></p>
<b>Description</b>	<p>The protein encoded by this gene is a member of the STAT family of transcription factors. 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 by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for the tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. ; ;</p>
<b>Immunogen</b>	Purified recombinant fragment of human STAT5A (AA: 583-794 ) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM6D4;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% 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: Propose dilution 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 50; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Cancer Res. 2011 May 15;71(10):3720-31. ; 2.Blood. 2011 Mar 24;117(12):3409-20. ;

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**