

## Mouse Monoclonal Antibody to Tyk2

<b>Catalogue Number</b>	sAP-0072
<b>Target Molecule</b>	<b>Name: Tyk2</b> <b>Aliases: JTK1</b> <b>MW: N/A</b> <b>Entrez Gene ID: 7297</b>
<b>Description</b>	Tyk2 (tyrosine kinase 2), with 1187-amino acid protein (about 131kDa), belongs to the family of non-receptor janus tyrosine kinases, which also includes Jak1, Jak2, and Jak3. Kinases of the Jak family regulate a spectrum of cellular functions downstream of activated cytokine receptors in the lympho-hematopoietic system. Tyk2 is activated by a variety of cytokines: IFN-alpha, IFN-beta, IL-6, IL-10, IL-12, and IL-13 and promotes IFN-gamma production by Th1-type CD4 cells. Tyk2 can be viewed as a dual-function Jak, mediating both pro-inflammatory and anti-inflammatory cytokine responses. Tyk2 is also an important regulator of lymphoid tumor surveillance.
<b>Immunogen</b>	Purified recombinant fragment of Tyk2 expressed in E. Coli.
<b>Recitative Species</b>	Human;
<b>Clone</b>	MM8G8B3;
<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
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Michael H. Shaw, Gordon J. Freeman, Mark F. Scott. J. Immunol., Jun 2006; 176: 7263-7271. ; 2. Yohei Seto, Hiroshi Nakajima, Akira Suto. J. Immunol., Jan 2003; 170: 1077.

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**