

## Mouse Monoclonal Antibody to SYK

Catalogue Number	sAP-0175
Target Molecule	<b>Name:</b> SYK <b>Aliases:</b> FLJ25043; FLJ37489; DKFZp313N1010 <b>MW:</b> N/A <b>Entrez Gene ID:</b> 6580
Description	SYK: spleen tyrosine kinase. Syk (72 kDa) is a non-receptor protein tyrosine kinase that plays an important role in immune receptor signal transduction and is implicated in endothelial cell functions, including cell growth and migration. SYK is a positive effector of BCR stimulated responses. It couples the B cell antigen receptor (BCR) to the mobilization of calcium ions either through a phosphoinositide 3 Kinase dependent pathway, when not phosphorylated on tyrosines of the linker region, or through a phospholipase C gamma dependent pathway, when phosphorylated on Tyr 342 and Tyr 346. Thus the differential phosphorylation of SYK can determine the pathway by which BCR is coupled to the regulation of intracellular calcium ions.
Immunogen	Purified recombinant fragment of SYK (aa296-484) expressed in E. Coli.
Reactive Species	Human
Clone	MM8C1A3;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Blood. 2006 Nov 15;108(10):3352-9 ; 2. Int J Mol Med. 2006 Oct;18(4):547-57. ; 3. J Exp Med. 2006 Dec 25;203(13):2829-40.

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**