

SYK

Mouse Anti-Human Spleen Tyrosine Kinase Clone SYK-01 mAb

Catalog No.	CSI12017 CSI12018	Quantity:	25 µg 100 µg
Alternate Names:	Spleen tyrosine kinase, protein tyrosine kinase SYK		
Description:	Syk is a cytoplasmic 72 kD non-receptor tyrosine kinase that is widely expressed in hematopoietic cells. The Syk kinase associates with a number of proteins including c-Src, Lck, Lyn, Fyn, Vav1, STAT3, SHP1, Grb2, and LAT to couple immunoreceptors to downstream signaling events mediating cellular proliferation, differentiation, and phagocytosis. Syk is modified by phosphorylation on multiple tyrosine sites. The SYK-01 monoclonal antibody (raised against amino acids 5-360 of human Syk) recognizes human, mouse, and rat Syk and has been shown to be useful for Western blotting, immunoprecipitation, and immunohistochemistry.		
Concentration:	0.5 mg/ml		
Gene ID:	6850		
Modification:	Phosphorylation (Y131, Y323, Y348, Y352, Y525, Y526)		
Interaction:	c-Src, Lck, Lyn, Fyn, Vav1, STAT3, SHP1, paxillin, FAK, Grb2, CD3ε, LAT, many others		
Host:	Mouse		
Immunogen:	Partial recombinant (amino acids 5-360) human Syk		
Isotype:	Mouse IgG1, k		
Clone:	SYK-01		
Distribution:	Cytoplasmic protein, widely expressed in hematopoietic cells.		
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	The antibody was purified by affinity chromatography.		
Structure:	Non-receptor associated tyrosine kinase, contains 2 SH2 domains, 72 kD.		
Reactivity:	Mouse, Human, Rat		
Applications:	IHC, IP, WB		
Recommended Usage:			

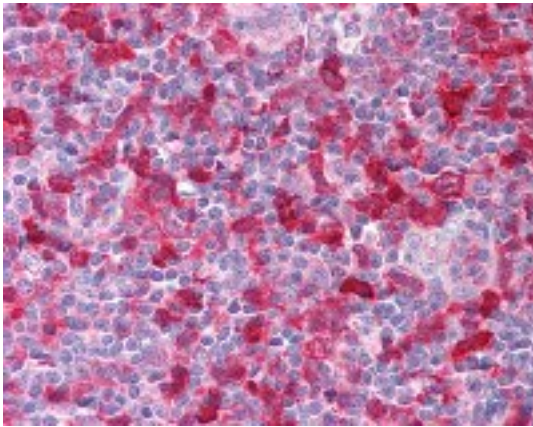


Each lot of this antibody is quality control tested by Western blotting. For Western blotting, the suggested use of this reagent is 10 μ l per 5 ml. For IHC, use a 10 μ g/ml dilution of antibody for staining. Antigen retrieval for IHC of formalin-fixed paraffin-embedded tissue using 0.01 M sodium citrate buffer is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

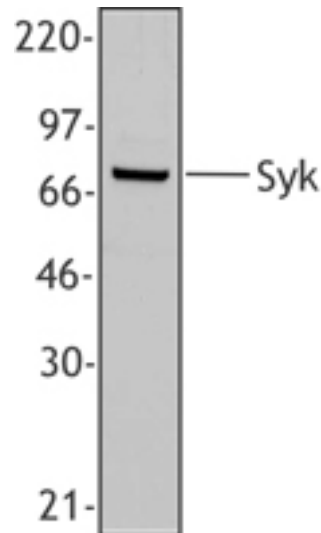
Storage & Stability: The antibody solution should be stored undiluted at 4°C.

Function: Couples immunoreceptor to downstream signaling events that mediate cellular responses including proliferation, differentiation, and phagocytosis.

Formalin-fixed paraffin-embedded human tonsil tissue was stained with SYK-01 at 10 μ g/ml and developed with an alkaline phosphatase chromogen substrate (red color). Tissue was counterstained with H&E (blue/pink). Magnification, 40X.



Western blot analysis of extracts from Human PBMC, using anti-Syk, Clone SYK-01.



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Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com