

Product Data Sheet

Purified anti-Syk

Catalog # / Size: 626201 / 25 µg
 626202 / 100 µg

Clone: SYK-01

Isotype: Mouse IgG1, κ

Immunogen: Partial recombinant (amino acids 5-360) human Syk

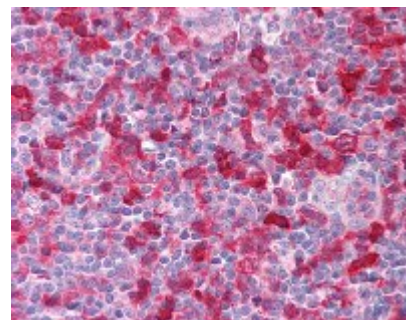
Reactivity: Mouse, Human, Rat

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

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



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

Applications:

Applications: WB - *Quality tested*
 IHC - *Validated*
 IP - *Reported in the literature*

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 µl per 5 ml. For IHC, use a 10 µg/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.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation.

Application References: 1. Arudchandran R, *et al.* 2000. *J. Exp. Med.* 191:47. (IP WB)
 2. Swann PG, *et al.* 1999. *J. Biol. Chem.* 33:23068. (IP)
 3. Inoue M, *et al.* 201. *J. Immunol.* 186:18. PubMed

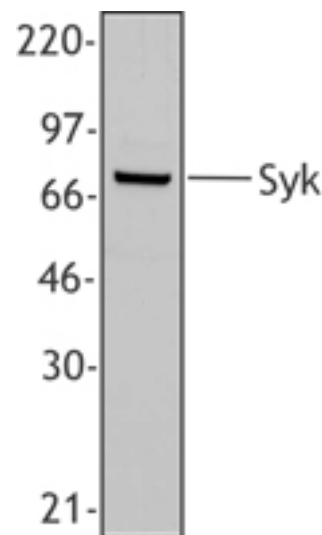
Description: Syk is a cytoplasmic 72 kD non-receptor tyrosine kinase that is widely expressed in hematopoietic cells. The Syk kinase associates with a number of proteins including c-Src, Lck, Lyn, Fyn, Vav1, STAT3, SHP1, Grb2, and LAT to couple immunoreceptors to downstream signaling events mediating 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.

Antigen References: 1. Taniguchi T, *et al.* 1991. *J. Biol. Chem.* 266:15790.
 2. Toyabe S-L, *et al.* 2001. *Immunology* 103:164.

Related Products: **Product**
 HRP Goat anti-mouse IgG (minimal x-reactivity)

Clone
 Poly4053

Application
 ELISA, IHC, WB



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



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