Product Name: LYN Mouse Monoclonal Antibody
Catalog #: AMM80583

Summary

Production Name	LYN Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	LYN
Alternative Names	JTK8; FLJ26625
Gene ID	4067.0
SwissProt ID	P07948. Purified recombinant fragment of LYN expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,ELISA:1:10000
Molecular Weight	56kDa

Background

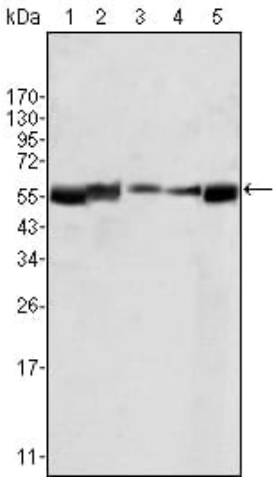
Lyn (also known as p53/56 Lyn) is a membrane-associated protein tyrosine kinase (PTK) mostly expressed in hemopoietic cells which is important in cellular signaling. It contains an SH2 and SH3 domain and has been found to be cleaved after

activation of caspases in apoptosis. A member of the Src family of PTKs, there are two known isoforms for Lyn which plays an indispensable role in the Fc epsilon RI (Fcer1) and the B-cell IgM receptor signaling pathway and is essential for Syk activation and Lat phosphorylation after Fcer1 aggregation and can also phosphor-ylate Tec on multiple residues. Lyn can also be regulated by IL-2 and IL-3.Lyn is a member of the src family of non-receptor protein tyrosine kinases that is predominantly expressed in haematopoietic tissues. Like all members of the src family, lyn is thought to participate in signal transduction from cell surface receptors that lack intrinsic tyrosine kinase activity. It is associated with a number of cell surface receptors including the B cell antigen receptor and immunoglobulin E receptor (FceRI).

Research Area

Jak-STAT signaling pathway

Image Data



Western blot analysis using LYN mouse mAb agains HL60 (1), L540 (2), SLLP-M2 (3), SEM (4) and Ramos (5) cell lysate.

Note

For research use only.