

### 30-1253: Anti-Lyn Monoclonal Antibody (Clone:LYN-01)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	LYN-01
<b>Application :</b>	IP
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	LYN
<b>Gene ID :</b>	4067
<b>Uniprot ID :</b>	P07948
<b>Format :</b>	Purified
<b>Alternative Name :</b>	LYN,JTK8
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Bacterially expressed recombinant fragment of human Lyn (aa 8 - 238).

#### Description

Lyn is a Src-family protein tyrosine kinase that is predominantly expressed in hematopoietic cells. It is associated with a number of cell surface receptors including the B cell antigen receptor (BCR) and Fc receptors. Upon their triggering, Lyn phosphorylates subunits of these receptors in a cholesterol-dependent manner, utilizing the plasma membrane lipid raft system. The phosphorylated intracellular domains of the receptors are accessible for cytoplasmic Syk tyrosine kinase, which is activated by Lyn-mediated phosphorylation and which transduces the signal to downstream adaptors. Lyn is abnormally distributed in acute myeloid leukemia cells and seems to be a novel pharmacologic target of this disease.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Western Blotting** *Recommended dilution:*

1-2 Åµg/ml, 60 min

*Positive control:*

RBL rat basophilic leukemia cell line

JURKAT human peripheral blood T cell leukemia cell line

A-431 human epidermoid carcinoma cell line

U-937 human histiocytic lymphoma cell line

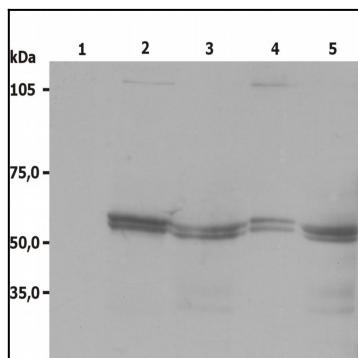


Figure 1: Western Blotting analysis (non-reducing conditions) of Lyn using anti-Lyn (LYN-01). Lane 1: negative control. Lane 2: RBL rat basophilic leukemia cell line . Lane 3: JURKAT human peripheral blood T cell leukemia cell line . Lane 4: A-431 human epidermoid carcinoma cell line . Lane 5: U-937 human histiocytic lymphoma cell line

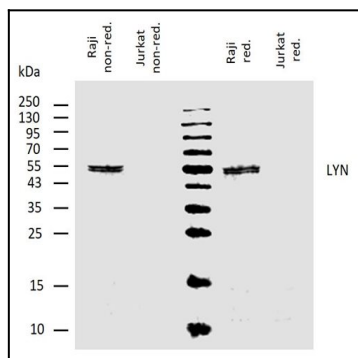


Figure 2: Western blotting analysis of human LYN using mouse monoclonal antibody LYN-01 on lysates of Raji cell line and Jurkat cell line (LYN non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-LYN monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. LYN was detected around 55 kDa.