

# Phospho-Lyn (Tyr507) (5B6) rabbit mAb FITC conjugate

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## #2418

Store at: 2-8°C

**For Research Use Only. Not For Use In Diagnostic Procedures.**

Applications	Detection	Clonality	Isotype
Flow Cytometry	N/A	Monoclonal	Rabbit IgGk

**Format:** FITC

**Cross Reactivity:** Predicted to work with mouse, rat and other homologues.

**Formulation:** 1X PBS, 0.09% NaN<sub>3</sub>, 0.2% BSA

**Preparation:** Protein A+G

**Reactivity:** Human, Mouse

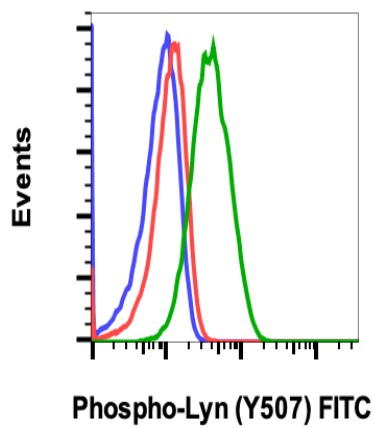
### Recommended

**Usage:** For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

**Immunogen:** A synthetic phospho-peptide corresponding to residues surrounding Tyr507 of human phospho Lyn

**Description:** Lyn, along with Btk, supports the abnormal growth and survival of neoplastic mast cells. Phosphorylated Lyn has been identified in these cancerous cells, along with phosphorylated Btk, Hck, and Stat5. Dasatinib, a chemotherapy drug used to treat leukemia, is a tyrosine kinase inhibitor that binds directly to Lyn in neoplastic cells. Lyn and Btk have also been shown to be involved in IgE receptor-dependent activation. Increased Lyn activity, detected by higher amounts of phospho Lyn, has been demonstrated in breast cancer cell lines. This is likely mediated through effects of upstream regulators of Lyn, rather than mutations in Lyn itself.

**References:** Gleixner KV, Mayerhofer M, Cerny-Reiterer S et al. (2011) Blood. 28: 1077-1086.  
Choi Y, Bocanegra M, Kwon MJ et al. (2010) Molecular and Cellular Pathology. 70: 2296-2306.



Flow cytometric analysis of Jurkat cells untreated and unstained as negative control (blue) or untreated (red) or treated with IFN- $\gamma$  + IL-4 + pervanadate (green) and stained using Phospho-Lyn (Tyr507) antibody FITC conjugate LynY507-5B6. Cat. #2418.