Phospho-Lyn (Tyr507) (5B6) rabbit mAb APC conjugate

www.abwizbio.com
Support: info@abwizbio.com
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Catalog: #2419

Store at: 2-8ºC

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

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

Format: APC

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

Formulation: 1X PBS, 0.09% NaN3, 0.2% BSA

Preparation: Protein A+G

Reactivity: Human,Mouse

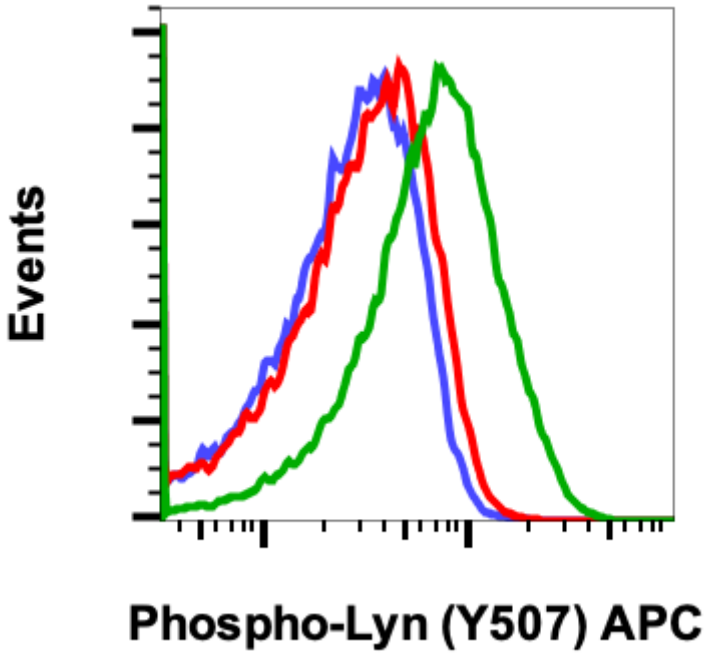
Recommended Usage: For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

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 inihibitor 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.

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Flow cytometric analysis of Jurkat cells untreated and unstained as negative control (blue) or untreated (red) or treated with IFNα + IL-4 + pervanadate (green) using Phospho-Lyn (Tyr507) using antibody APC conjugate LynY507-5B6 at 0.01µg/mL. Cat. #2419.

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