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12-4325: Phospho-Lyn (Tyr507) (Clone: 5B6) rabbit mAb PE conjugate

Clonality :	Monoclonal
Clone Name :	LynY507-5B6
Application :	FACS
Reactivity :	Human, Mouse
Conjugate :	PE
Format :	Conjugated
Alternative Name :	Tyrosine-protein kinase Lyn, Lck/Yes-related novel protein tyrosine kinase, V-yes-1 Yamaguchi sarcoma viral related oncogene homolog, p53Lyn, p56Lyn, JTK8
Isotype :	Rabbit IgG1k
Immunogen Information :	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.

Product Info

Amount :	10 Tests / 100 Tests
Content :	1X PBS, 0.09% NaN3, 0.2% BSA
Storage condition :	Store at 2-8°C. Avoid repeated freeze and thaw cycles.

Application Note

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

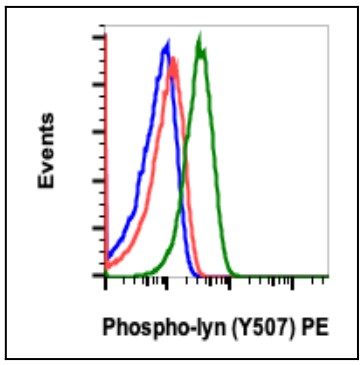

Fig-1: Flow cytometric analysis of Jurkat cells untreated and unstained as negative control (blue) or untreated (red) or treated with IFNa + IL-4 + pervanadate (green) and stained using Phospho-Lyn (Tyr507) antibody, LynY507-5B6 PE conjugate.