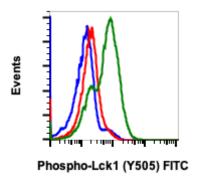
## Phospho-Lck (Tyr505) (A3) rabbit mAb FITC conjugate

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<b>Applications</b> Flow Cytometry	<b>Detection</b> N/A	<b>Clonality</b> Monoclonal	<b>Isotype</b> Rabbit IgGk	
Format:	FITC			
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			
Recommended Usage:	For flow cytometric staining, the suggested use of this reagent is 5 $\mu L$ per million cells or 5 $\mu L$ per 100 $\mu L$ 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 Tyr505 of human phospho Lck			
Description:	Lck is a member of the Src family of non-receptor tyrosine kinases and plays a major role in T cell activation. Lck activates many downstream signaling pathways including Akt/mTOR, SAPK/JNK, PLCγ1, and RAS/MAPK. Phosphorylation of Lck at Tyr394 in the catalytic domain at the ATP-binding site stabilizes the open and active form, while phosphorylation at Tyr505 in the C-terminal domain promotes the closed, inactive conformation. Multiple small-molecule drugs used to treat leukemia have been shown to target inhibition of Lck, including imatinib and dasatinib. Lck is thus a promising target for suppressing T-cell responses for the treatment of inflammatory diseases or after organ transplantation.			
References:	Serafin V, Capuzzo G, Milani G, et al. (2017) Blood. 130: 2750-2761. Lee KC, Ouwehand I, Giannini AL, et al. (2010) Leukemia. 24: 896-900.			



Flow cytometric analysis of Daudi Human Burkitt's lymphoma cells untreated and unstained as negative control (blue) or untreated (red) or treated with IFNa +IL4 +PV and stained (green) using Phospho-LCK (Y505) antibody LCKY505-A3 FITC conjugate. Cat. #2303 Abwiz Bio © 2025 Abwiz Bio