

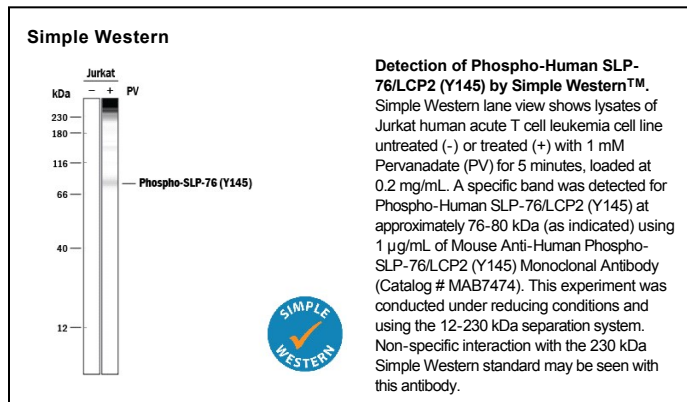
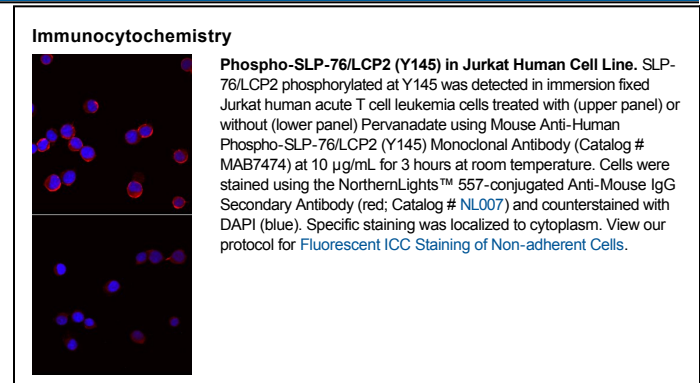
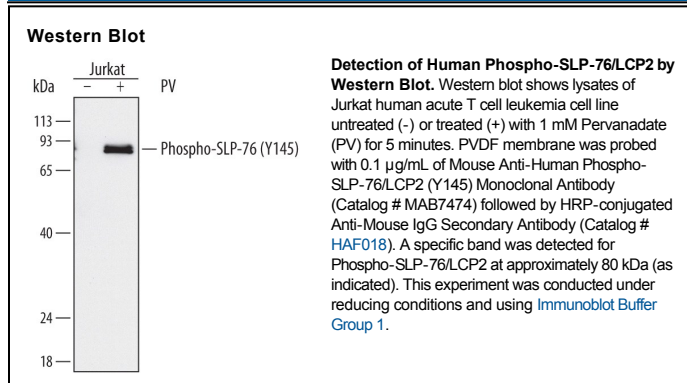
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Phospho-SLP-76/LCP2 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 776503
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Phosphopeptide containing the human SLP-76/LCP2 Y145 site Accession # Q13094
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	See Below
Immunocytochemistry	8-25 µg/mL	See Below
Simple Western	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

Human Phospho-SLP-76/LCP2 (Y145) Antibody

Monoclonal Mouse IgG_{2B} Clone # 776503

Catalog Number: MAB7474

BACKGROUND

SLP-76 is a 533 amino acid (aa), 76 kDa tyrosine phosphorylated intracellular docking protein with a single SH2 recognition domain. It is expressed in T cells, platelets, neutrophils, NK and mast cells, and is required for progression of T cells to double positive stage in the thymus. Tyrosine phosphorylation is required for interaction with the signaling proteins VAV, NCK, PLC γ , ITK, and ZAP70. SLP-76 may be phosphorylated by ZAP70 leading to NF-AT and IL2 gene activation. Human SLP-76 shares 83% and 85% aa sequence identity with mouse and rat SLP-76, respectively.