

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
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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, PLCγ, 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.

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