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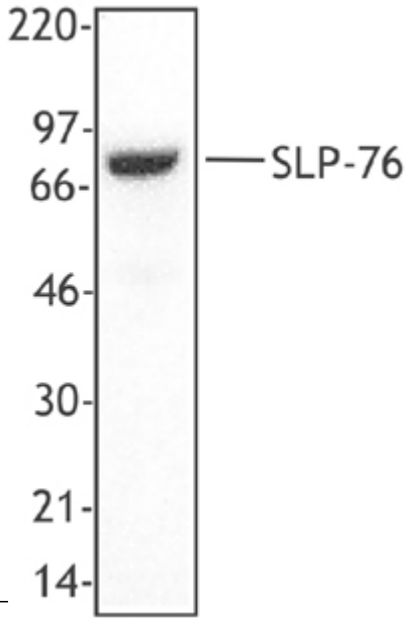
Product Data Sheet

Purified anti-SLP-76

Catalog # / Size: 625002 / 200 µl (20 Western blots)
Clone: H76
Isotype: Mouse IgG2a, κ
Immunogen: amino acids 216-434 of human SLP-76
Reactivity: Human, Mouse
Preparation: The antibody was purified by affinity chromatography.
Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
Storage: Upon receipt, store frozen at -20°C.



MOLT4 total lysate (1% NP40) was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-SLP76 antibody. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.

Applications:

Applications: WB-*Quality tested*
IP, FC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:
1. Deford-Watts LM, *et al.* 2011. *J. Immunol.* 186:6839. PubMed.

Description: SLP-76 is a human Src homology domain-containing leukocyte protein. This cytoplasmic adaptor phosphoprotein contains both SH2 and SAM domains and is involved in B and T cell receptor signaling. The amino terminus of this protein contains three 17 amino acid repeats with conserved tyrosine and acidic residues (DYE(S/P)P) as well as a proline rich region and is known to associate with many proteins involved in T and B cell signaling including Grb2, LAT, Vav1, SLAP-130, SHP-1, and phospholipase C gamma 2. SLP-76 can be phosphorylated on multiple tyrosine residues by the upstream kinases ZAP-70 and Lck. SLP-76 phosphorylation plays an important role in T cell-mediated IL-2 production by allowing phosphorylated Vav to bind; this complex (SLP-76/Vav) stimulates NF-AT and IL-2 gene activation after TCR engagement. Overexpression of SLP-76 has been shown to result in enhanced IL-2 transcription after TCR signaling. The H76 monoclonal antibody recognizes human SLP-76 and has been shown to be useful for Western blotting.

Antigen References:
1. Jackman KJ, *et al.* 1995. *J. Biol. Chem.* 270:7029.
2. Wardenberg JB, *et al.* 1996. *J. Biol. Chem*. 271:19641.
3. Tuosto L, *et al.* 1996. *J. Exp. Med*. 184:1161.
4. Motto DG, *et al.* 1996. *J. Exp. Med.* 183:1937.

Related Products:

Product	Clone	Application
HRP Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	ELISA, IHC, WB

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