

DESCRIPTION

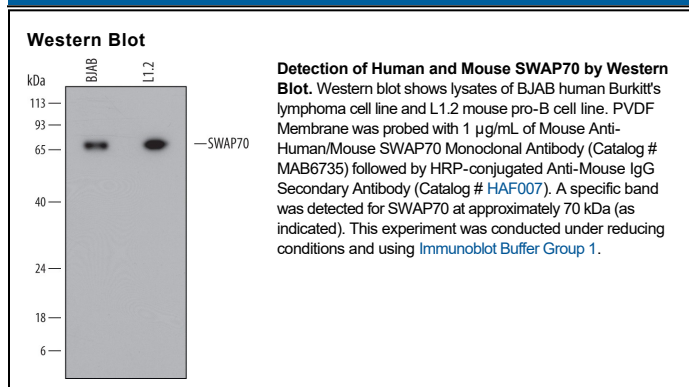
Species Reactivity	Human/Mouse
Specificity	Detects human SWAP70 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 683317
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SWAP70 Arg386-Glu585 Accession # Q9UH65
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or 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	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.

BACKGROUND

SWAP70 (Switch-associated protein 70) is a 67-70 kDa intracellular protein that bears limited resemblance to members of the Dbl-family of GEFs for small Rho GTPases. It is expressed in mast cells, dendritic cells and B cells. In mast cells, it promotes the release of anaphylactic mediators; in dendritic cells, it regulates the appearance of MHC II; and in B cells, it forms a nuclear complex that initiates immunoglobulin class switching. Human SWAP70 is 585 amino acids (aa) in length. It contains one plextrin homology (PH) domain (aa 213-304) plus a coiled-coil region (aa 316-539). There are three potential splice variants. One contains an alternative start site at Met70, another shows a deletion of aa 81-138, and a third possesses a 38 aa substitution for aa 453-585. Over aa 386-585, human SWAP70 shares 96% aa identity with mouse SWAP70.