

Human/Mouse Vav-1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 591529 Catalog Number: MAB3786

DESCRIPTION			
Species Reactivity	Human/Mouse		
Specificity	Detects human and mouse Vav-1 in Western blots.		
Source	Monoclonal Mouse IgG _{2B} Clone # 591529		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	E. coli-derived recombinant human Vav-1 Trp25-Leu228 Accession # P15498		
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.		

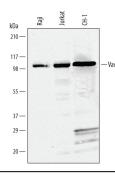
APPLICATIONS

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

Western Blot



Detection of Human and Mouse Vav-1 by Western Blot. Western blot shows lysates of Raji human Burkitt's lymphoma cell line, Jurkat human acute T cell leukemia cell line, and CH-1 mouse B cell lymphoma cell line. PVDF Membrane was probed with 1 μg/mL of Mouse Anti-Human/Mouse Vav-1 Monoclonal Antibody (Catalog # MAB3786) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Vav-1 at approximately 110 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 10.

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

ShippingThe 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 $^{\circ}$ C

- 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

The Vav-1 proto-oncogene is a guanine nucleotide exchange factor (GEF) for the low molecular weight GTPases of the Rho/Rac family. Vav-1 promotes intracellular signaling by its multiple protein binding motifs. It is a cytosolic protein primarily expressed in hematopoietic cells and plays an essential role in the proliferation and activation of T and B cells.

Rev. 2/7/2018 Page 1 of 1

