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 as a 0.2 μm filtered solution in PBS.

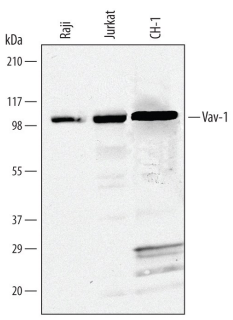
APPLICATIONS

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.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
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.** ● 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.