

VAV1 Ab

Cat.#: BF0397
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Mouse

Mol.Wt.: 98.3kDa
Clonality: Monoclonal

Application:	ELISA 1/10000, WB 1/500 - 1/2000, FCM 1/200 - 1/400
Reactivity:	Human
Purification:	Affinity-chromatography.
Specificity:	VAV1 Ab detects endogenous levels of total VAV1.
Immunogen:	Purified recombinant fragment of human VAV1 expressed in E. Coli.
Uniprot:	P15498
Description:	The protein encoded by this proto-oncogene is a member of the Dbl family of guanine nucleotide exchange factors (GEF) for the Rho family of GTP binding proteins. The protein is important in hematopoiesis, playing a role in T-cell and B-cell development and activation. This particular GEF has been identified as the specific binding partner of Nef proteins from HIV-1. Coexpression and binding of these partners initiates profound morphological changes, cytoskeletal rearrangements and the JNK/SAPK signaling cascade, leading to increased levels of viral transcription and replication.
Subcellular Location:	Cytoplasmic and Plasma membrane VAV1, Cytoplasm - VAV2 & VAV3
Tissue Specificity:	Widely expressed in hematopoietic cells but not in other cell types.
Similarity:	The DH domain is involved in interaction with CCPG1.
Storage Condition and Buffer:	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

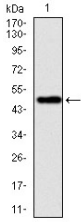


Figure 1: Western blot analysis using VAV1 mAb against human VAV1 recombinant protein. (Expected MW is 49.3 kDa)

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.