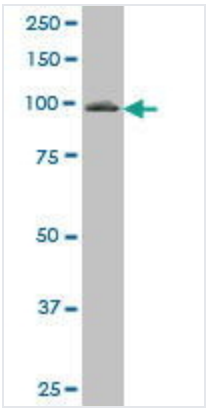
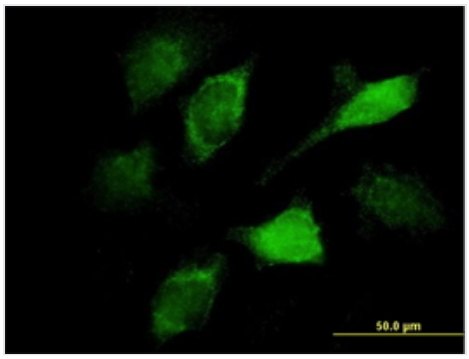
VAV1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

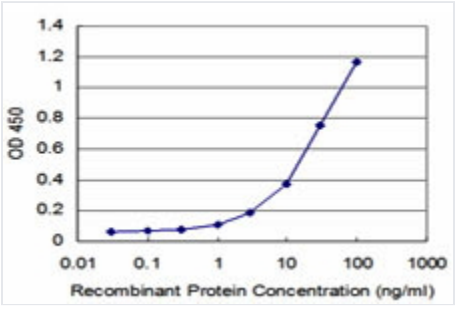
Product Name	VAV1, Monoclonal Antibody
Full Product Name	VAV1 (Proto-oncogene Vav, VAV) APC
Product Gene Name	anti-VAV1 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3A11
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human VAV1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, cen original vial prior to removing the cap.
Molecular Weight	94,493 Da
Immunogen	Partial recombinant corresponding to aa681-790 from human VAV1 (AAH13361) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	RGLTELVEFYQQNSLKDCFKSLDTTLQFPFKEPEKRTISRPAVGSTKYFGTAKARYDFCARDRSELSLKEGDIIKILNKKGQQGWWRGEIYGRVGWFPAN
Conjugate	APC
Product Categories/Family for anti-VAV1 antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-VAV1 antibody	ELISA (EIA), Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-VAV1 antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-VAV1 antibody	MBS6139822 is an antibody targeting VAV1. Also known as VAV1 (Proto-oncogene Vav, VAV) APC. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-VAV1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional may apply.



Western Blot (WB) of anti-VAV1 antibody
VAV1 monoclonal antibody, Western Blot analysis of VAV1 expression in Jurkat.



Immunofluorescence (IF) of anti-VAV1 antibody
Immunofluorescence of monoclonal antibody to VAV1 on HeLa cell. [antibody concentration 10ug/ml]



Testing Data of anti-VAV1 antibody
Detection limit for recombinant GST tagged VAV1 is ~1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VAV1. It may not necessarily be applicable to this product.

NCBI GI #	33991319
NCBI GeneID	7409
NCBI Accession #	BC013361
NCBI Related Accession #	AAH13361
UniProt Secondary Accession #	Q15860; B4DVK9; M0QXX6
UniProt Related Accession #	P15498
NCBI Official Full Name	Homo sapiens vav 1 guanine nucleotide exchange factor, mRNA
NCBI Official Synonym Full Names	vav guanine nucleotide exchange factor 1
NCBI Official Symbol	VAV1
NCBI Official Synonym Symbols	VAV
Protein Family	Proto-oncogene
NCBI Protein Information	proto-oncogene vav
NCBI Summary for VAV1	This gene is a member of the VAV gene family. The VAV proteins are guanine nucleotide exchange factors (GEFs) for Rho family GTPases that activate pathways leading to actin cytoskeletal rearrangements and transcriptional alterations. The encoded protein is important in hematopoiesis, playing a role in T-cell and B-cell development and activation. The encoded protein 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. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Apr 2012]

Research Articles on VAV1	**1.** revealed a new function for Vav1 in the negative feedback regulation of the phosphorylation of immunoreceptor tyrosine-based activation motifs within the zeta chains, CD3 delta, epsilon, gamma chains, as well as activation sites on the critical T cell tyrosine kinases
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