



Product Information

MONOCLONAL ANTI-VAV Mouse Ascites Fluid

Product Number **V6512**

Product Description

Monoclonal Anti-Vav (mouse IgG isotype) from the hybridoma produced by the fusion of mouse myeloma cells and splenocytes from a mouse immunized with full length GST-human Vav produced in *E. coli*.¹

Monoclonal Anti-Vav recognizes human and murine p95^{proto-vav} and p85^{vav}.¹ Other species reactivity is unknown. The antibody may be used for immunoblotting (97 kDa).

Vav is a member of a novel group of signaling transducers with known representatives in mammalian (Vav and Vav-2) and nematodes (Cel Vav).² After T cell receptor stimulation, Vav becomes phosphorylated on tyrosine residues and catalyzes the exchange of guanosine nucleotides on the GTP binding protein Rac-1, suggesting that it may transduce TCR signals.^{2,3} The Vav proto-oncogene is normally expressed in cells of hematopoietic origin and may function as a hematopoietic-specific GTP exchange factor for the Ras superfamily of proteins.^{4,5}

Reagents

Monoclonal Anti-Vav is supplied as mouse ascites fluid containing 30% glycerol and 0.035% sodium azide.

Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazardous and safe handling practices.

Storage/Stability

Store at 0 °C to -20 °C. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Product Profile

The recommended dilution is 1:300-1:500 for immunoblotting using RIPA lysates of Jurkat cells anti-mouse IgG peroxidase conjugate and chemiluminescent detection.

Note: In order to obtain best results and assay sensitivity in different techniques and preparations, we recommend determining optimal working dilutions by titration test.

References

1. Matsuguchi, T., et al., *EMBO J.*, **14**, 257-265 (1995).
2. Bustelo, X.R., *Crit. Rev. Oncog.*, **7**, 65-88 (1996).
3. Turner, M., et al., *Immunity*, **7**, 451-460 (1997).
4. Katzav, S., et al., *Mol. Cell. Biol.*, **11**, 1912-1920 (1991).
5. Katzav, S., et al., *Oncogene*, **11**, 1079-1088 (1995).

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