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MAVS (D5A9E) Rabbit mAb (PE Conjugate)

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
FC-FP	H	Endogenous	Rabbit IgG	#Q7Z434	57506
Product Usage Information	Application			Dilution	
	Flow Cytometry (Fixed/Permeabilized)			1:50	
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibodies. Protect from light. Do not freeze.				
Specificity/Sensitivity	MAVS (D5A9E) Rabbit mAb (PE Conjugate) recognizes endogenous levels of total MAVS protein.				
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu202 of human MAVS protein.				
Description	This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) and tested in-house for direct flow cytometric analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated MAVS (D5A9E) Rabbit mAb #24930.				
Background	The mitochondrial antiviral signaling protein (MAVS, VISA) contributes to innate immunity by triggering IRF-3 and NF- κ B activation in response to viral infection, leading to the production of IFN- β (1). The MAVS protein contains an N-terminal CARD domain and a C-terminal mitochondrial transmembrane domain. The MAVS adaptor protein plays a critical and specific role in viral defenses (2). MAVS acts downstream of the RIG-I RNA helicase and viral RNA sensor, leading to the recruitment of IKK ϵ , TRIF, and TRAF6 (3,4). Some viruses have evolved strategies to circumvent these innate defenses by using proteases that cleave MAVS to prevent its mitochondrial localization (5,6).				
Background References	<ol style="list-style-type: none"> Seth, R.B. et al. (2005) <i>Cell</i> 122, 669-682. Sun, Q. et al. (2006) <i>Immunity</i> 24, 633-642. Xu, L.G. et al. (2005) <i>Mol. Cell</i> 19, 727-740. Yoneyama, M. et al. (2004) <i>Nat. Immunol.</i> 5, 730-737. Lin, R. et al. (2006) <i>J. Virol.</i> 80, 6072-6083. Chen, Z. et al. (2007) <i>J. Virol.</i> 81, 964-976. 				

Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Applications Key **FC-FP:** Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key **H:** Human

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