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#80076**V5-Tag (E9H8O) Mouse mAb**

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

Applications: W, W-S, IP, IF-IC, FC-FP	Reactivity: All	Sensitivity: Transfected Only	Source/Isotype: Mouse IgG2a kappa
Product Usage Information	Application		Dilution
	Western Blotting		1:1000
	Simple Western™		1:10 - 1:50
	Immunoprecipitation		1:50
	Immunofluorescence (Immunocytochemistry)		1:400 - 1:800
	Flow Cytometry (Fixed/Permeabilized)		1:100 - 1:400
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. <i>Do not aliquot the antibody.</i>		
	For a carrier free (BSA and azide free) version of this product see product #40099.		
Specificity/Sensitivity	V5-Tag (E9H8O) Mouse mAb recognizes transfected levels of recombinant protein containing the V5 epitope tag. This antibody also recognizes a non-specific band of unknown origin at 21 kDa.		
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic V5-tag peptide.		
Background	Epitope tags are useful for the labeling and detection of proteins using immunoblotting, immunoprecipitation, and immunostaining techniques. Because of their small size, they are unlikely to affect the tagged protein's biochemical properties.		
	The V5-tag is a 14 amino acid peptide derived from a small epitope (Pk) on the P and V proteins of simian virus 5 (SV5), a member of the paramyxovirus family (1). The V5-tag can be used to detect expression of recombinant proteins in bacteria, yeast, insects, and mammalian cell systems.		
Background References	1. Hanke, T. et al. (1995) <i>J Virol Methods</i> 53, 149-56.		
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).		
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.		
Applications Key	W: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)		
Cross-Reactivity Key	All: All Species Expected		
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