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#5750

DYKDDDDK Tag (9A3) Mouse mAb (Binds to same epitope as Sigma's Anti-FLAG[®] M2 Antibody) (Sepharose[®] Bead Conjugate)

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

Applications:	Reactivity:	Sensitivity:	Source/Isotype:
IP	All	Transfected Only	Mouse IgG1
Product Usage Information	Application	Dilution	
	Immunoprecipitation	1:20	
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol. Store at -20°C. Do not aliquot the antibodies.		
Specificity/Sensitivity	DYKDDDDK Tag (9A3) Mouse mAb (Binds to same epitope as Sigma's Anti-FLAG [®] M2 Antibody) (Sepharose [®] Bead Conjugate) detects exogenously expressed DYKDDDDK proteins in cells. The antibody recognizes the DYKDDDDK peptide, which is the same epitope recognized by Sigma's Anti-FLAG [®] antibodies.		
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic DYKDDDDK peptide.		
Description	This Cell Signaling Technology antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated Sepharose [®] beads. DYKDDDDK Tag (9A3) Mouse mAb (Binds to same epitope as Sigma's Anti-FLAG [®] M2 Antibody) (Sepharose [®] Bead Conjugate) is useful for the immunoprecipitation of DYKDDDDK (Flag) tagged proteins.		
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 DYKDDDDK peptide has been used extensively as a general epitope tag in expression vectors. This peptide can be expressed and detected with the protein of interest as an amino-terminal or carboxy-terminal fusion (1).		
Background References	1. Brizzard, B.L. et al. (1994) <i>Biotechniques</i> 16, 730-5.		
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).		
Applications Key	IP: Immunoprecipitation		
Cross-Reactivity Key	All: All Species Expected		
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