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GST (26H1) Mouse mAb (Alexa Fluor® 594 Conjugate)

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

Applications:	Reactivity:	Sensitivity:	Source/Isotype:
IF-IC	All	Transfected Only	Mouse IgG2a
Product Usage Information	Application		Dilution
	Immunofluorescence (Immunocytochemistry)		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 antibody. Protect from light. Do not freeze.		
Specificity/Sensitivity	GST (26H1) Mouse mAb (Alexa Fluor® 594 Conjugate) detects transfected glutathione S-transferase (GST) fusion proteins.		
Source / Purification Description	Monoclonal antibody is produced by immunizing animals with a GST fusion protein. This Cell Signaling Technology antibody is conjugated to Alexa Fluor® 594 fluorescent dye and tested in-house for immunofluorescent analysis in human cells. This antibody is expected to exhibit the same species cross-reactivity as the unconjugated GST (26H1) Mouse mAb #2624.		
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. Glutathione S-transferase (GST) is a widely used fusion partner, since it provides both an easily detectable Tag and a simple purification process with little effect on the biological function of the protein of interest. Numerous vectors containing GST-Tag have been developed for both prokaryotic and eukaryotic systems over the past decade (1-3).		
Background References	<ol style="list-style-type: none"> 1. Guan, K.L. and Dixon, J.E. (1991) <i>Anal Biochem</i> 192, 262-7. 2. Davies, A.H. et al. (1993) <i>Biotechnology (N Y)</i> 11, 933-6. 3. Yu, J. et al. (1998) <i>Mol Cell Biol</i> 18, 1379-87. 		
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).		
Applications Key	IF-IC: Immunofluorescence (Immunocytochemistry)		
Cross-Reactivity Key	All: All Species Expected		
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