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GST-Tag (26H1) Mouse mAb (Alexa Fluor® 488 Conjugate)

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

Applications: IF-IC, FC-FP	Reactivity: All	Sensitivity: Transfected Only	Source/Isotype: Mouse IgG2a
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Product Usage Information	Application Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized)	Dilution 1:50 - 1:100 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-Tag (26H1) Mouse mAb (Alexa Fluor® 488 Conjugate) detects transfected glutathione S-transferase (GST) fusion proteins. The antibody was conjugated to Alexa Fluor® 488 under optimal conditions with an F/P ratio of 2-6.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a GST fusion protein. The antibody was conjugated to Alexa Fluor® 488 under optimal conditions with an F/P ratio 2-6.	
Description	This Cell Signaling Technology antibody is conjugated to Alexa Fluor® 488 fluorescent dye and tested in-house for direct flow cytometry and immunofluorescent analysis in cells transfected with GST-tagged protein.	
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) FC-FP: Flow Cytometry (Fixed/Permeabilized)
Cross-Reactivity Key	All: All Species Expected
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