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HA-Tag (6E2) Mouse mAb (Alexa Fluor® 647 Conjugate)

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

Applications:	Reactivity:	Sensitivity:	Source/Isotype:
IF-IC, FC-FP	All	Transfected Only	Mouse IgG1
Product Usage Information	Application		Dilution
	Immunofluorescence (Immunocytochemistry)		1:400
	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 antibody. Protect from light. Do not freeze.		
Specificity/Sensitivity	HA-Tag (6E2) Mouse mAb (Alexa Fluor® 647 Conjugate) detects recombinant proteins containing the HA epitope tag. The antibody recognizes the HA-tag fused to either the amino or carboxy terminus of targeted proteins in transfected cells.		
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide containing the influenza hemagglutinin epitope (YPYDVPDYA). The antibody was conjugated to Alexa Fluor® 647 under optimal conditions with an F/P ratio of 2-6. The Alexa Fluor® 647 dye is maximally excited by red light (e.g. 633 nm He-Ne laser). Antibody conjugates of the Alexa Fluor® 647 dye produce bright far-red-fluorescence emission, with a peak at 665 nm.		
Description	This Cell Signaling Technology antibody is conjugated to Alexa Fluor® 647 fluorescent dye and tested in-house for direct flow cytometry and immunofluorescent analysis in cells transfected with HA-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.		
	The HA tag is derived from an epitope of the influenza hemagglutinin protein, which has been extensively used as a general epitope tag in expression vectors (1).		
Background References	1. Field, J. et al. (1988) <i>Mol Cell Biol</i> 8, 2159-65.		
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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