

Store at
-20C
#43590**mCherry (E5D8F) Rabbit mAb**

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

Applications: W, IF-F, IF-IC	Reactivity: All	Sensitivity: Transfected Only	Source/Isotype: Rabbit IgG	UniProt ID: #X5DSL3
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Product Usage Information	Application Western Blotting Immunofluorescence (Frozen) Immunofluorescence (Immunocytochemistry)	Dilution 1:1000 1:50 - 1:200 1:50 - 1:200
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. Do not aliquot the antibody.	
Specificity/Sensitivity	mCherry (E5D8F) Rabbit mAb detects mCherry-tagged proteins (either N-terminal tagged or C-terminal tagged) exogenously expressed in cells. Please note that the mCherry tags add approximately 28kDa to the molecular weight of the fusion protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a full length recombinant mCherry 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. mCherry is a monomeric, fluorescent, photostable red dye that was isolated from and further engineered from the <i>Discosoma</i> sea anemone (1). Its peak fluorescent excitation is at 587 nm and emission 610 nm (1).	
Background References	1. Shaner, N.C. et al. (2004) <i>Nat Biotechnol</i> 22, 1567-72.	

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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting IF-F: Immunofluorescence (Frozen) IF-IC: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	All: All Species Expected
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