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#58802**Rabbit Anti-Mouse IgG (Light Chain Specific) (D3V2A) mAb (HRP Conjugate)**

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

Applications: W	Reactivity: M	Source/Isotype: Rabbit IgG
Product Usage Information	Recommended Antibody Dilution: 1:1000	
Storage	Supplied in 136 mM NaCl, 2.6 mM KCl, 12 mM sodium phosphate (pH 7.4) dibasic, 2 mg/ml BSA, and 50% glycerol. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	Rabbit Anti-mouse IgG (Light Chain Specific) (D3V2A) mAb (HRP Conjugate) recognizes native mouse IgG. It also recognizes the denatured and reduced mouse IgG light chains (about 25 kDa) on a western blot.	
Source / Purification Description	Monoclonal antibody is produced by immunizing animals with native total mouse IgG. This Cell Signaling Technology antibody is conjugated to the carbohydrate groups of horseradish peroxidase (HRP) via its amine groups.	
Background	Rabbit Anti-Mouse IgG (Light Chain Specific) (D3V2A) mAb (HRP Conjugate) only reacts with native IgG and denatured and reduced mouse IgG light chain. When performing immunoprecipitation (IP) followed by western blotting, the denatured mouse IgG heavy chains of the primary antibody used for IP run at approximately 50 kDa on the subsequent western blot and can often obscure bands of proteins that have similar molecular weights. Using Rabbit Anti-Mouse IgG (Light Chain Specific) (D3V2A) mAb (HRP Conjugate) as a secondary antibody will eliminate this problem.	
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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.	
Applications Key	W: Western Blotting	
Cross-Reactivity Key	M: Mouse	
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