

#5571 Store at -20C

## Anti-biotin (D5A7) Rabbit mAb (HRP Conjugate)



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

Applications: WB, E-P	Reactivity: Rab	Source/Isotype: Rabbit
<b>Product Usage Information</b>	Recommended Antibody Dilutions: ELISA-peptide 1:1000	
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 2 mg/ml bovine serum albumin (BSA), and 50% glycerol. Store at -20°C. Do not aliquot the antibody.	
<b>Specificity / Sensitivity</b>	Anti-biotin (D5A7) Rabbit mAb (HRP Conjugate) recognizes biotin attached to proteins, peptides, oligonucleotides and solid matrices.	
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a biotinylated protein.	
<b>Product Description</b>	Anti-biotin (D5A7) Rabbit mAb is conjugated to the carbohydrate groups of horseradish peroxidase (HRP) via its amine groups. This product has been optimized to detect biotinylated primary antibodies. HRP conjugated antibodies do not require incubation with a secondary antibody. *Do not mix this antibody in solution with any Anti-rabbit antibody. Anti-rabbit antibodies will cross react with this antibody and could result in decreased activity of both Anti-rabbit and Anti-biotin (D5A7) Rabbit mAb.	
<b>Background</b>	Chemiluminescence systems have emerged as the best all-around method for western blot detection. They eliminate the hazards associated with radioactive materials and toxic chromogenic substrates. The speed and sensitivity of these methods are unequalled by traditional alternatives, and because results are generated on film, it is possible to record and store data permanently. Blots detected with chemiluminescent methods are easily stripped for subsequent reprobing with additional antibodies. HRP-conjugated secondary antibodies are utilized in conjunction with specific chemiluminescent substrates to generate the light signal. HRP conjugates have a very high turnover rate, yielding good sensitivity with short reaction times.	
<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
<b>Western Blot Buffer</b>	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.	
<b>Applications Key</b>	<b>WB:</b> Western Blotting <b>E-P:</b> Peptide ELISA (DELFI A)	
<b>Cross-Reactivity Key</b>	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected	
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