



Anti-AVIDIN (Egg White) (RABBIT) Antibody - 100-4197

Code: 100-4197

Size: 2 mL

Product Description: Anti-AVIDIN (Egg White) (RABBIT) Antibody - 100-4197

Concentration: 80 mg/mL by Refractometry

Physical State: Lyophilized

Label	Unconjugated
Host	Rabbit
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	None
Storage Condition	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	rabbit Anti-Avidin antibody, anti-Avidin Egg White, rabbit Anti Avidin
Application Note	Suitable for immunoblotting (western or dot blot), ELISA, immunoprecipitation and most immunological methods requiring high titer and specificity.
Background	Avidin is a glycoprotein with a molecular weight of approximately 62.4 kDa. Avidin is a biotin binding protein that shows high sequence homology in birds, reptiles and amphibians. Hen egg white avidin is a tetrameric protein composed of four identical subunits, each with the ability to bind biotin with high affinity and specificity ($K_d \sim 1015$ M). In biotechnology, the functional consequence of tetrameric biotin binding is signal amplification. Biotin-avidin bridging is a great way to increase signal strength while maintaining specificity. The sequence of avidin only shows 30% homology with streptavidin, and anti-avidin and anti-streptavidin antibodies are not immunologically cross reactive.
Purity And Specificity	This product was prepared from monospecific antiserum by a delipidation and defibrillation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Avidin [Hen Egg White]. Cross reactivity against Avidin from other tissues and species may occur but have not been specifically determined.
ELISA	1:20,000 - 1:100,000
Western Blot	1:2,000 - 1:10,000
Immunohistochemistry	1:1,000 - 1:5,000
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Avidin (Hen Egg White)
Related Products	
200-301-268	Anti-AKT pS473 (MOUSE) Monoclonal Antibody - 200-301-268
610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304

Related Links

UniProtKB - P02701

Disclaimer

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