

Avidin Polyclonal Antibody

Catalog NumberPA1-26812

Product data sheet

Details		Species Reactivity	
Size	1 mg	Species reactivity	Chicken
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Inhibition Assays (IA)	Assay-dependent
Type	Antibody	Neutralization (Neu)	Assay-dependent
Immunogen	Avidin from hen egg white.	Western Blot (WB)	Assay-dependent
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	10 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

**Product specific information**

PA1-26812 detects Avidin. PA1-26812 will not react with streptavidin.

**Background/Target Information**

Avidin from chicken egg whites is a glycoprotein that effectively binds biotin, a tag that is frequently used to tag antibodies and other probes for immunodetection methods. This protein contains four identical subunits having a combined molecular mass of 67,000 to 68,000 daltons. Each subunit binds one molecule of biotin, and studies have shown that tryptophan and lysine are involved in the binding site for biotin. The sequencing of the subunit indicates it consists of 128 amino acids. Avidin has an isoelectric point of 10-10.5 and is very soluble in water and salt solutions. Avidin is stable over a wide range of pH values and temperatures. Extensive chemical modification has little effect on the activity of avidin, making it useful for detection and protein purification. Pure avidin is a key component in certain immunohistochemistry (IHC) methods. Alkaline phosphatase (AP) and horseradish peroxidase (HRP) conjugates of avidin are useful for Western blotting or ELISA detection with appropriate enzyme substrates.

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