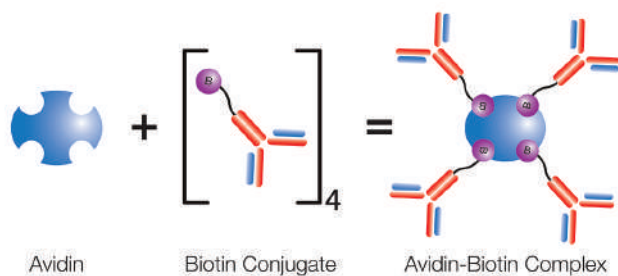


# Avidin Reagents

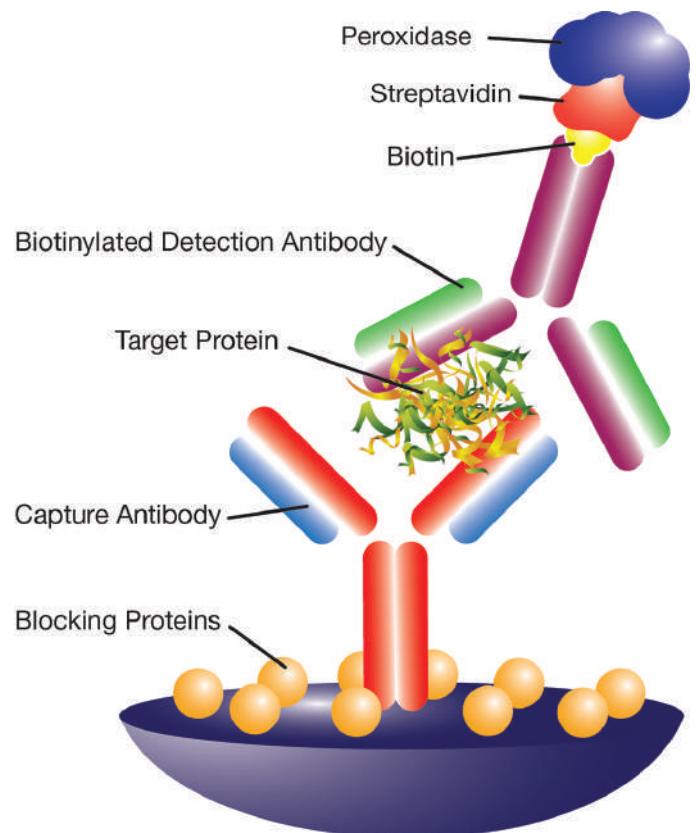
The interaction between biotin and avidin / streptavidin (SA) has been utilized for years in many protein and nucleic acid detection and purification methods. Because the biotin-SA label is very small and has strong affinity recognition of biotin it's made biotinylated molecules and streptavidin one of the most important components in the development of highly sensitive diagnostics assays and laboratory kits.

## Applications for which the avidin-biotin interaction is used include:

- ELISA
- Tetramer Staining
- Immunohistochemistry (IHC)
- Immunofluorescence Microscopy
- Western Blotting
- Immunoprecipitation (IP)
- Signal Amplification using Streptavidin
- Microarrays
- Flow Cytometry (FACS)
- in situ hybridization



**Above:** Diagram of signal amplification by avidin-biotin complex formation with an antibody. UltraAvidin or streptavidin Protein can bind four (4) moles of biotin per mole of protein, and it shows extremely high affinity normally conjugated to an enzyme, antibody or target protein to form an avidin-biotin complex.



**Above:** Use of SA-Biotin interaction in a Sandwich ELISA assay.

## Streptavidin Reagents

For the latest product updates and product information, visit: [Leinco.com](http://Leinco.com)

Description	Pkg. Sizes	Product Number
Alkaline Phosphatase (Alk Phos)	1.0 mg	S208
APC	0.5 ml	S571
DyLight® 405	1.0 mg	S612
DyLight® 488	1.0 mg	S613
DyLight® 550	1.0 mg	S614
DyLight® 594	1.0 mg	S615
DyLight® 650	1.0 mg	S616
FITC	1.0 mg, 5.0 mg	S205
HRPO	1.0 mg, 2.0 mg	S207
PerCP	0.5 ml	S617
R-PE Premium Grade	0.5 mg	S211
Streptavidin Purified	5.0 mg, 10 mg, 100 mg	S203
Cy2		S215
Cy3	1.0 mg	S213
Cy5	1.0 mg	S214

## UltraAvidin™ Reagents

For the latest product updates and product information, visit: [Leinco.com](http://Leinco.com)

Description	Pkg. Sizes	Product Number
UltraAvidin™ Purified	5.0 mg, 10 mg, 100 mg	A110
R-PE	0.5 mg, 1.0 mg	A104
Alkaline Phosphatase	1.0 mg, 2.0 mg	A108
APC Premium Grade	0.25 mg	A107
DyLight® 405	1.0 mg, 2.0 mg	A429
DyLight® 488	1.0 mg, 2.0 mg	A425
DyLight® 550	1.0 mg, 2.0 mg	A426
DyLight® 594	1.0 mg, 2.0 mg	A427
DyLight® 650	1.0 mg, 2.0 mg	A428
FITC	1.0 mg, 5.0 mg	A105
HorseRadish Peroxidase (HRPO)	2.0 mg, 5.0 mg	A106

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