

Avidin, Cy3 conjugated

Catalog Number : bs-0312P-Cy3

Quantity size: 100ul / 1ml

Concentration: 1mg/ml. Buffer = 0.01M TBS(pH7.4) with 1%BSA, 0.03% Proclin300 and 50% Glycerol.

Background: Avidin is a tetrameric or dimeric biotin-binding protein produced in the oviducts of birds, reptiles and amphibians and deposited in the whites of their eggs. In chicken egg white, avidin makes up approximately 0.05% of total protein (approximately 1.8 mg per egg). The tetrameric protein contains four identical subunits (homotetramer), each of which can bind to biotin (Vitamin B7, vitamin H) with a high degree of affinity and specificity. The dissociation constant of avidin is measured to be $KD \approx 10^{-15} M$, making it one of the strongest known non-covalent bonds.

Application:

- Immunofluorescence: 1:50-500
- Excitation spectrum: 552nm
- Emission spectrum: 570nm
- Not yet tested in other applications.
- Optimal working dilutions must be determined by the end user.
- protect from light

Storage: Shipped at 4°C, Store at -20°C (Avoid repeated freeze/thaw cycles).

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.