

## Avidin, FITC conjugated

**Catalog Number :** bsF-0312P

**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  $KD \approx 10-15 \text{ M}$ , making it one of the strongest known non-covalent bonds.

**Application:**

- Immunofluorescence: 1:50-500
- Excitation spectrum: 495nm
- Emission spectrum: 519nm
- 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.