

**R1201TR****Polyclonal Antibody to Avidin - Texas Red****Alternate names:**

AVD

**Quantity:**

20 mg

**Concentration:**

10.0 mg/ml (by UV absorbance at 280 nm)

**Background:**

The biological function of avidin is not known. It is a homotetrameric glycoprotein found in chicken egg white, and forms a strong non covalent specific complex with biotin (one molecule of biotin per subunit of avidin).

**Uniprot ID:**[P02701](#)**NCBI:**[NP\\_990651.1](#)**GeneID:**[396260](#)**Host:**

Rabbit

**Immunogen:**

Avidin [Hen Egg White].

**Format:****State:** Lyophilized purified Ig fraction.**Purification:** Immunoaffinity chromatography.**Buffer System:** 0.01 M Sodium Phosphate, 0.14 M Sodium Chloride, pH 7.4 with 10 mg/ml Bovine Serum Albumin (BSA, IgG and Protease free) as stabilizer and 0.01% (w/v) sodium azide as preservative.**Label:** Texas Red – (TM) Sulfonyl Chloride (Molecular Weight 625 daltons)*Absorption / Emission:* 596 nm / 620 nm*Molar Ratio:* 3.6 moles Texas Red(TM) per mole of Rabbit IgG.**Reconstitution:** Restore with 2.0 ml of deionized water (or equivalent).**Applications:**

Suitable for Immunomicroscopy and Flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This product was prepared from monospecific antiserum by delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.

Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum and anti-Avidin.

No reaction was observed against Streptavidin.

**Storage:**

Store vial at 2-8°C prior to restoration. For extended storage add glycerol to 50% and then aliquot contents and freeze at -20°C or below. Centrifuge product if not completely clear after standing at room temperature.

This antibody is stable for one month at 2-8°C as an undiluted liquid.

Dilute only prior to immediate use.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.

**General Readings:**

J.A. Titus, P.P. Haugland, S.D. Sharrow, D.M. Segal J. Immunol. Methods 50; 193, 1982.  
(Conjugation)