

Datasheet for ABIN7565747

anti-Avidin antibody (Texas Red (TR))



[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	Avidin (AVD)
Reactivity:	Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Avidin antibody is conjugated to Texas Red (TR)
Application:	Western Blotting (WB), Flow Cytometry (FACS), Dot Blot (DB), Fluorescence Microscopy (FM), FLISA

Product Details

Purpose:	Avidin Antibody Texas Red™ Conjugated
Immunogen:	Immunogen: Avidin (Hen Egg White) Immunogen Type: Native Protein
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum and anti-Avidin.
Characteristics:	Synonyms: rabbit anti-Avidin Antibody Texas Red™ Conjugation, Texas Red™ conjugated rabbit anti-Avidin antibody, Avidin Texas Red™, Anti-Avidin Texas Red™ Antibody, Egg White
Purification:	Anti-Avidin Antibody Texas Red™ Conjugated was prepared from monospecific antiserum by delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.
Sterility:	Sterile filtered

Product Details

Labeling Ratio: 3.6

Target Details

Target: Avidin (AVD)

Alternative Name: AVIDIN ([AVD Products](#))

Background: Avidin is a glycoprotein with a molecular weight of approximately 62.4 kDa. Avidin is a biotin binding protein that shows high sequence homology in birds, reptiles and amphibians. Hen egg white avidin is a tetrameric protein composed of four identical subunits, each with the ability to bind biotin with high affinity and specificity ($K_d \sim 10^{15} \text{ M}$). In biotechnology, the functional consequence of tetrameric biotin binding is signal amplification. Biotin-avidin bridging is a great way to increase signal strength while maintaining specificity. The sequence of avidin only shows 30 % homology with streptavidin, and anti-avidin and anti-streptavidin antibodies are not immunologically cross reactive.

UniProt: [P02701](#)

Application Details

Application Notes: Application Note: Rabbit Anti-Avidin Antibody Texas Red Conjugated has been tested by dot blot and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. Flow Cytometry Dilution: User Optimized Western Blot Dilution: >1:1,000 FLISA Dilution: >1:2,000 IF Microscopy Dilution: User Optimized Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative: 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiry Date: 12 months