Datasheet for ABIN7565746

anti-Avidin antibody (Texas Red (TR))

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Overview

Quantity:	100 µg
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.
Labeling Ratio:	3.6

Target Details

Target:	Avidin (AVD)
Alternative Name:	AVIDIN (AVD Products)
Background:	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 (Kd ~ 1015 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:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent) Reconstitution Volume: 100 µL
Concentration:	1.0 mg/mL
Buffer:	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 should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months