

Datasheet for ABIN964116

Albumin Protein (ALB) (Texas Red (TR))[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	Albumin (ALB)
Origin:	Human
Source:	Human
Protein Type:	Native
Purification tag / Conjugate:	This Albumin protein is labelled with Texas Red (TR).

Product Details

Purpose:	Human Albumin Texas Red™ Conjugated
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Human Serum.
Characteristics:	Human Albumin Texas Red™ conjugation
Purification:	This product was prepared from normal serum by a multi-step process including selective precipitation and extensive dialysis against the buffer stated above.

Target Details

Target:	Albumin (ALB)
Alternative Name:	Albumin (ALB Products)
Background:	Background: Human albumin or serum albumin is encoded by the ALB gene and is the most abundant plasma protein in mammals. Human albumin is essential for maintaining the osmotic pressure needed for proper distribution of body fluids between intravascular compartments and body tissues. Human albumin also acts as a plasma carrier by non-specifically binding

Target Details

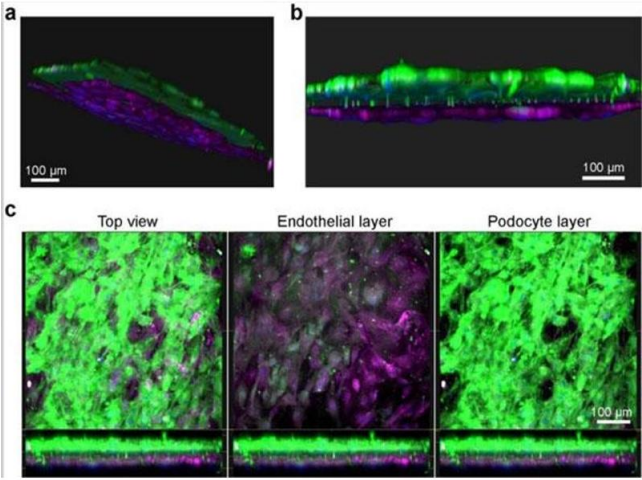
	several hydrophobic steroid hormones and as a transport protein for hemin and fatty acids. Too much serum albumin in the body can be harmful.
Gene ID:	213
UniProt:	P02768
Pathways:	Lipid Metabolism

Application Details

Application Notes:	Application Note: Human Albumin Texas Red™ conjugation 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. Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent) Reconstitution Volume: 1.0 mL
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Polyethylene Glycol (PEG-8000) 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.
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



Fluorescence Microscopy

Image 1. Fluorescence microscopy images of the human kidney Glomerulus Chip established from iPS cell-derived podocytes and primary glomerular endothelial cells. (a) Side and (b) cross-sectional view of 3D reconstructed confocal images of the human Glomerulus Chip showing the iPS cell-derived podocytes and endothelial cells in their respective layers after differentiation and co-culture on opposing sides of the flexible ECM-coated PDMS membrane. (c) Additional immunofluorescence confocal images showing a top view of both cell layers (left), the endothelial cell layer only (middle), and the human iPS cell-derived podocyte layer (right). Scale bars, 100 μm. Figure modified with permission from Reference 5. Human albumin conjugated to Texas Red (p/n 009-0933). Figure 6. PMID: 29995874.