

Datasheet for 009-0233

Human Albumin Fluorescein

Overview

Description:	Human Albumin Fluorescein Conjugated - 009-0233
Item No.:	009-0233
Size:	1 mg
Applications:	Dot Blot, WB
Origin:	Human

Product Details

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 several hydrophobic steroid hormones and as a transport protein for heme and fatty acids. Too much serum albumin in the body can be harmful.
Synonyms:	Human Albumin fluorescein conjugation, Human Albumin FITC conjugation
Species of Origin:	Human
Conjugate:	Fluorescein (FITC)
Format:	Albumin
Type:	Native Protein
F/P Ratio:	2.03
Specific Activity:	2.03

Target Details

Purity/Specificity:	This product was prepared from chromatographically pure Human Albumin. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein and anti-Human Albumin.
Relevant Links:	SDS

Application Details

Tested Applications:	Dot Blot, WB
Application Note:	Human Albumin Fluorescein has been tested in dot blot and western blot and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA), fluorescent western blotting, multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/ml Polyethylene Glycol (PEG-8000)
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

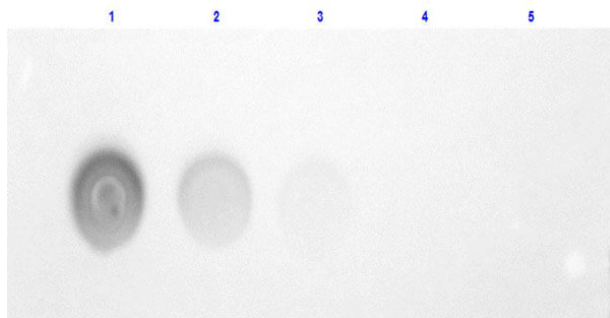
Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

Dot Blot

Dot Blot for HUMAN ALBUMIN-Fluorescein Conjugated. Lane 1: Human Albumin FITC (100ng). Lane 2-5: serial dilution 3 fold. Primary Antibody: none. Secondary Antibody: none. Block: MB-070 at RT for 30 minutes.

**Disclaimer**

No test method can provide total assurance that the hepatitis B virus, hepatitis C virus, human immunodeficiency virus, or any other infectious agents are absent. Thus, all blood products, including purified proteins derived from human blood sources, should be handled at Biosafety Level 2 as recommended by the CDC\NIH manual entitled Biosafety in Microbiological and Biomedical Laboratories for potentially infectious human serum, blood specimens or proteins derived from same. Source material for the human blood product supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis by FDA guidelines. All units were found to be non-reactive/negative for these tests. All human blood source material is collected in FDA licensed centers and is tested with FDA approved test kits.

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