

Datasheet for 600-406-033

Human Serum Albumin Antibody Biotin Conjugated

Overview

Description:	Anti-Human Serum Albumin (RABBIT) Antibody Biotin Conjugated - 600-406-033
Item No.:	600-406-033
Size:	1 mg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	HUMAN SERUM ALBUMIN Antibody Biotin Conjugated, is the most abundant protein in human blood plasma. It is produced in the liver. Albumin constitutes about half of the blood serum protein. It is soluble and monomeric. Human serum albumin functions to maintain oncotic pressure, transports thyroid hormones, transport fat-soluble hormones, transport fatty acids to the liver, and transport unconjugated bilirubin. Anti-BSA antibody is suitable for immunological and cardiovascular research.
Synonyms:	rabbit anti-human serum albumin antibody biotin conjugation, biotin conjugated rabbit anti-HSA antibody, biotin conjugated rabbit anti-human serum albumin antibody, rabbit anti-HSA antibody biotin conjugation, Analbuminemia antibody, rabbit anti-serum albumin antibody, rabbit anti-albumin antibody
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	10-20

Target Details

Gene Name:	ALB
Reactivity:	Human

Immunogen Type:	Native Protein
Immunogen:	Human Serum Albumin
Purity/Specificity:	Anti-HUMAN SERUM ALBUMIN Antibody (Biotin Conjugated) was prepared from monospecific antiserum by immunoaffinity chromatography using purified human serum albumin. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin and anti-Rabbit Serum. Analysis by SDS-PAGE was used to determine that this preparation is substantially free of aggregates and shows a banding pattern consistent with purified Rabbit IgG.
Relevant Links:	• GenelD - 213 • UniProtKB - P02768 • NCBI - NP_000468.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-HUMAN SERUM ALBUMIN (RABBIT) Antibody Biotin Conjugated antibody has been tested in ELISA, western blot, and suitable in immunohistochemical assays. Optimal concentrations should be determined by researcher.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:60,000
IHC:	1:500 - 1:3,000
WB:	1:1,000 - 1:5,000

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)

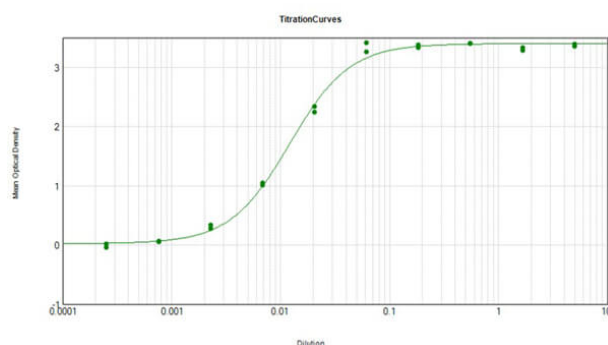
Shipping & Handling

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.

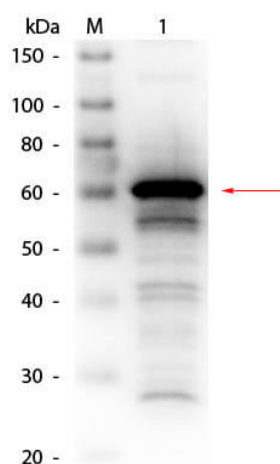
Expiration: Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA Results of Rabbit Anti-HSA Biotin Conjugated Antibody tested against purified human serum albumin. Each well was coated in duplicate with 1.0 µg of HSA. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using HRP conjugate stabilizer (p/n MB-076), Streptavidin-HRP conjugated (p/n S000-03) and TMB substrate (p/n TMBE-1000).



Western Blot

Western Blot of Rabbit anti-Human Serum Albumin Antibody Biotin Conjugated. Lane 1: Human Serum Albumin. Load: 50 ng per lane. Primary antibody: Rabbit anti-Human Serum Albumin Antibody Biotin Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 66 kDa, 60 kDa for Human Serum Albumin.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.