



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Sheep Anti Human Apolipoprotein A1

With HRP-Conjugated Second Antibody

Catalog No.
DS-PB-00178

Species
Human

Isotype
IgG

Preparation

Preparation: Purified IgG prepared by affinity chromatography on immobilized human apolipoprotein A1.

Immunogen: Purified human apolipoprotein A1

Specificity

DS-PB-00178 reacts with human apolipoprotein A1 and does not react with other human plasma proteins. In ELISA the following reactivities are observed:

Human apolipoprotein A1: 100%

Human apolipoprotein B: <3%

Human albumin: <1%

Apolipoprotein A1 is a single polypeptide with a molecular weight of 28 kDa. It is the major protein component of high density lipoprotein particles and functions in preventing the accumulation of cholesterol loaded macrophages which deposit on the arterial wall as foam cells.

*This antibody can be used in a sandwich ELISA with DS-MB-00089 as the capture ELISA.

Formulation

Product Type: Polyclonal Antibody

Product Form: Purified IgG - lyophilized

Reconstitution: Use sterile DI water

Preservative Stabilizers: Contains mannitol, dextran & salts

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

Shelf Life: 12 months from date of shipment

The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA*	.			1/5000 - 1/20000
Western Blotting			.	
Immunohistology - frozen			.	
Immunohistology - paraffin			.	
Immunohistology - resin			.	
Immunoprecipitation			.	
Flow Cytometry			.	
Immunofluorescence staining			.	
Immunodiffusion			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	.			1:5000-1:10000

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