



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rabbit Anti Human Alpha-1 Antitrypsin With HRP-conjugated Secondary Antibody

Catalog No.
DS-PB-00126

Target Species
Human

Isotype
Polyclonal IgG

Preparation

Antisera Preparation: Antisera to human alpha-1 antitrypsin were raised by repeated immunization of rabbits with highly purified antigen.

Immunogen: Human alpha-1 antitrypsin

Specificity

DS-PB-00126 recognizes human alpha-1 antitrypsin, a serine protease inhibitor synthesized by the liver. Hereditary deficiency of this protein is associated with pulmonary emphysema and with liver disease, due to the loss of inhibition of neutrophil elastase activity.

This antibody labels fetal liver cells, and also some benign and malignant hepatic tumors.

Formulation

Product Type: Polyclonal Antibody

Product Form: Serum - liquid, ready to use

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide, 1% Bovine Serum Albumin

Immunohistology: This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

Histology Positive Control Tissue: Fetal Liver, Tonsil.

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



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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. Should this product contain a precipitate we recommend microcentrifugation before use.

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			.	
Western Blotting			.	
Immunohistology - frozen	.			neat
Immunohistology – paraffin	.			neat
Immunohistology - resin			.	
Immunoprecipitation			.	
Flow Cytometry			.	
Immunofluorence staining			.	
Neutralization			.	

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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