



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

SHEEP ANTI HUMAN AMYLASE (SALIVARY)

With HRP-conjugated secondary antibody

Catalog No.
DS-PB-00151

Species:
Human

Isotype:
Sheep IgG

Description

The three types of Amylase found in human and mouse tissues are salivary, pancreatic and ovarian tumor. Salivary and ovarian tumor Amylase have molecular weights ranging from 61-64 kDa. Pancreatic Amylase has a molecular weight of 60 kDa. In humans there are two haplotypes consisting of very different numbers of salivary Amylase proteins. The short haplotype contains two pancreatic proteins, AMY2A and AMY2B and one salivary Amylase protein, AMY1C. The long haplotype consists of two salivary Amylase proteins, AMY1A and AMY1B. In mice, there are two apparently identical copies of AMY2A which specify pancreatic Amylase. The single copy of AMY1A is expressed in a tissue specific fashion in the salivary gland and the liver.

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA (1)	•			
Western Blotting			•	
Immunohistology - frozen	•			1/50 – 1/200
Immunohistology - paraffin			•	
Immunohistology - resin			•	
Immunoprecipitation			•	
Flow Cytometry			•	
Immunofluorescence staining			•	
Neutralization			•	

- (1) In a simple indirect ELISA with 400 ng of human salivary amylase bound to the plate, the 50% OD was observed at an antibody dilution of 1/5K. Under the same conditions, the end point was observed at 1/500K.

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

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



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Preparation

This product uses native amylase as the immunogen. Antisera to Amylase were raised by repeated immunisation of sheep with the antigen. The IgG fraction of immunized serum was purified by protein G chromatography.

Specificity

DS-PB-00151 recognizes amylase.

It also reacts with: Pig, Fungal

Antibody reactivity and working conditions may vary between species.

Reconstitution

Supplied as 1 ml of purified liquid antibody in PBS with pH 7.2, containing 0.1% Sodium Azide. Its final concentration is 8.4 mg/ml. **Please avoid freeze-thaw cycles.**

Secondary Antibody Applications

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

Storage

Store at -20°C only.

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

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