



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

RABBIT ANTI PIG CARBOXYPEPTIDASE B

With HRP-conjugated secondary antibody

Catalog No.
DS-PB-00364

Species:
Pig

Isotype:
Rabbit IgG

Description

Carboxypeptidase B catalyzes hydrolysis of the basic amino acids lysine, arginine and ornithine from the C-terminal end of polypeptides. The molecular weight is 34,500 daltons, the pH optimum is 7.9, and the pI is 6.0. Carboxypeptidase B is competitively inhibited by arginine, lysine and ornithine. The enzyme is not inhibited by di-isopropylfluorophosphate (DFP), but it is inhibited by metal chelating agents, e.g., 1,10-phenanthroline.

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			•	
Immunohistology - paraffin			•	
Immunohistology - resin			•	
Immunoprecipitation	•			
Flow Cytometry			•	
Immunofluorescence staining			•	
Neutralization			•	

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

Preparation

Immunogen was recombinant protein derived from Carboxypeptidase B from porcine pancreas. The IgG fraction was purified by delipidation, salt fractionation and ion exchange chromatography.

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



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Specificity

DS-PB-00364 recognizes carboxypeptidase B (CPB), a pancreatic exopeptidase that catalyzes the hydrolysis of the peptide bonds involving basic amino acids lysine, arginine and ornithine.

Reconstitution

Supplied as 1.0 ml of purified antibody. It is reconstituted with sterile PBS. Its final concentration is 5.0 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, if not intended for use within a month. Keep it at 4°C and minimize freezing and thawing when use.

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