



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rabbit anti-Canis familiaris allergen 1 antibody

Catalog No.	Isotype:	Species:	Accession No:
130-10028	Rabbit Ig G	Dog	O18873

Description

Canis familiaris allergen 1 (Can f 1), which found in dog hair and dander extract, was a protein with molecular weight reported to range from 21 to 25 kD. It binds immunoglobulin E (IgE) from the majority of dog-allergic subjects.

Allergy to the domestic dog (Canis familiaris) is prominent worldwide. Dog allergens can be detected not only in houses where dogs are kept as pets but also in other places such as schools and day care centres where dogs are not present on a regular basis. Chronic exposure to dog and other indoor allergens, including mite and cat, may lead to allergic sensitization and contribute to the development of bronchial hyperreactivity and asthma in children.

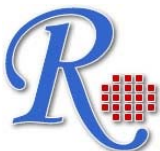
Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	*			1:640000 (at least detecting 1.6ng/ml)
Western Blotting			*	
Enzyme Immunoassay(EIA)			*	
Immunohistology - paraffin			*	
Immunohistology - resin			*	
Immunoprecipitation			*	
Flow Cytometry			*	
Neutralization			*	

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

Immunogen was a partial length of recombinant protein of Canis familiaris allergen 1. This antibody was produced from a rabbit immunized with the immunogen. The IgG fraction was purified from rabbit serum by ammonium sulphate precipitation followed by Protein A/G affinity chromatography.

Binding Activity

The antibody can specifically bind to its immunogen, and did not show any cross reactivity with unrelated antigens in ELISA. The specificity for binding to recombinant protein, cellular protein and native antigen is not defined. Cross reactivity with the protein from other species was not tested yet.

Reconstitution

Supplied as lyophilized and purified antibody originally containing PBS, without **Preservative Stabilizers**, liking Sodium Azide. *It final concentration is indicated in shipping vial.*

The antibody is stable for at least years from the data of receipt when stored at -20°C to -70°C. Reconstituted antibody (suggesting with sterile PBS) can also be aliquotted and stored frozen at -20°C to -70°C in a manual defrost freezer for months without detectable loss activity. Upon reconstitution, the antibody can also be stored over months at 4°C. **Please avoid freeze-thaw cycles.**

Storage

Keep it at 4°C if intended for use within a month. Store at -20°C if over months. **Minimize freezing and thawing when use.**

Reference

Konieczny A, Morgenstern JP, Bizinkauskas CB, Lilley CH, Brauer AW, Bond JF, Aalberse RC, Wallner BP, Kasaian MT(1997). The major dog allergens, Can f 1 and Can f 2, are salivary lipocalin proteins: cloning and immunological characterization of the recombinant forms. Immunology. 92(4):577-86.

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