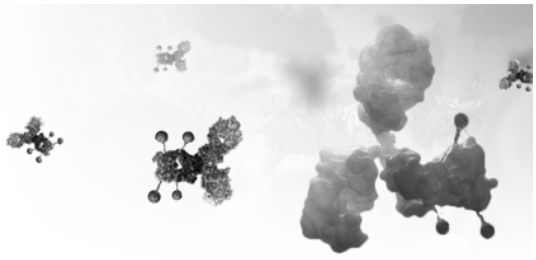

Human Anti-Canine Can f 1 Monoclonal Antibody, clone H22 (CABT-L5106)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Monoclonal antibody derived from a patient allergic to dog.
Specificity	This clone targets Canis familiaris allergen.
Isotype	IgE
Source/Host	Human
Species Reactivity	Dog
Clone	H22
Purification	Purified, Purity> 95 %
Conjugate	Unconjugated
Applications	IA
Preparation	Monoclonal antibody derived from a patient allergic to dog.
Format	Liquid
Concentration	Lot specific
Size	200 µl
Buffer	In phophate buffered saline, pH 7.4 and 0.05% Tween-20. 0.22µm filtered, preservative free.
Preservative	None
Storage	Maintain at -20°C for up to 12 months. Avoid repeated freeze-thaw cycles. Store product

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	undiluted.
Ship	Wet ice

BACKGROUND

Introduction	Canis familiaris allergen 1 (Can f 1) and Canis familiaris allergen 2 (Can f 2) are the two major allergens present in dog dander extracts. We now report the isolation of cDNAs encoding both proteins and present their nucleotide and deduced amino acid sequences. Can f 1, produced by tongue epithelial tissue, has homology with the von Ebner's gland (VEG) protein, a salivary protein not previously thought to have allergenic properties. Can f 2, produced by tongue and parotid gland, has homology with mouse urinary protein (MUP), a known allergen. Both VEG protein and MUP are members of the lipocalin family of small ligand-binding proteins. Recombinant forms of Can f 1 and Can f 2 were produced and tested for immunoglobulin E (IgE) reactivity. Among dog-allergic subjects, 45% had IgE directed exclusively to rCan f 1, and 25% had IgE to both rCan f 1 and rCan f 2. In addition, both recombinant proteins were able to crosslink IgE and elicit histamine release from peripheral blood leucocytes in vitro
Keywords	Canis familiaris allergen;von Ebner's gland (VEG) protein;mouse urinary protein (MUP);ligand-binding proteins;dog-allergic;Can f 1

GENE INFORMATION

UniProt ID	O18873

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