



Mouse Anti-Cat Fel d 4 Monoclonal Antibody, clone 5B2 (CABT-YN1510)

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

PRODUCT INFORMATION

Specificity	Binds to an epitope on cat Felis domesticus allergen, Fel d 4
Target	Cat Fel d 4
Immunogen	Fel d 4
Isotype	IgG2c, κ
Source/Host	Mouse
Species Reactivity	Felis domesticus
Clone	5B2
Purification	Produced in vitro and purified by affinity chromatography using Protein A.
Conjugate	Unconjugated
Applications	ELISA Recommended dilution: ELISA: 1:1000 Final working dilutions must be determined by end user.
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	Phosphate buffered saline, pH 7.4, preservative free.

Preservative	None
Storage	Store at 4°C
Ship	Wet ice

BACKGROUND

Introduction

Clinically significant cat allergens are Fel d 1, Fel d 4, and Fel d 7, they are produced in clinically significant quantities by all cats. Fel d 1 acts as a uteroglobin and is associated with hormone production. Fel d 1 is more likely to reach small bronchioles and cause asthma as it is carried by particles < 5 µm in diameter.

Sensitization to the cat is strongly associated with asthma, especially in environments free of mite and cockroach. Children with cat allergy and problematic severe asthma have higher levels of IgE antibodies towards cats compared with children with controlled asthma. Severe asthma can be caused by multiple sensitizations to lipocalins (Fel d 4) and uteroglobins (Fel d 1). Pork/cat syndrome or allergy to cat dander and pork meat can be mediated by cross-reactive antibodies against pork serum albumin and cat serum albumin (Fel d 2).

Keywords Fel d4; Fel d 4; Felis domesticus

GENE INFORMATION

Protein Refseq None