



Mouse Anti-Peanut Ara h 1 Monoclonal Antibody, clone 5C2 (CABT-YN1513)

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

PRODUCT INFORMATION

Specificity	Binds to species specific epitope present on Glycine max allergen, Gly m 4.
Target	Peanut Ara h 1
Immunogen	Ara h 1
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Arachis hypogaea (Peanut, groundnut)
Clone	5C2
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	11 allergens have been identified in peanuts. Ara h 1, Ara h 3, and Ara h 4 belong to the cupin superfamily, Ara h 2, Ara h 6, and Ara h 7 to the prolamin superfamily; Ara h 5 (profilins) and Ara h 8 (superfamily of Bet v 1-homologous proteins) are associated with aeroallergens. Peanut lipid transfer proteins (LTP) and two peanut oleosins are listed as Ara h 9, Ara h 10, and Ara h 11 by the IUIS Allergen Nomenclature Subcommittee. Peanut agglutinin (PNA) and a third oleosin have been shown to possess allergenic properties. The effect of the above specified allergens has to be considered in the context of their matrix, which is influenced by processing factors.
Keywords	Ara h1; Ara h 1; cupin superfamily; prolamin superfamily; profilins; superfamily of Bet v 1-homologous proteins; Peanut lipid transfer proteins; LTP; oleosin; <i>Arachis hypogaea</i> ; Peanut; groundnut

GENE INFORMATION

Protein Refseq	None
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