



# Mouse Anti-Peanut Ara h 3 Monoclonal Antibody, clone 7D12 (CABT-YN1518)

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

## PRODUCT INFORMATION

<b>Target</b>	Peanut Ara h 3
<b>Immunogen</b>	Ara h 3
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Arachis hypogaea (Peanut, groundnut)
<b>Clone</b>	7D12
<b>Purification</b>	Produced in vitro and purified by affinity chromatography using Protein A.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Recommended dilution: ELISA: 1:1000 Final working dilutions must be determined by end user.
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	Phosphate buffered saline, pH 7.4, preservative free.
<b>Preservative</b>	None

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<b>Storage</b>	Store at 4°C
<b>Ship</b>	Wet ice

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## BACKGROUND

<b>Introduction</b>	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.
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<b>Keywords</b>	Ara h3; Ara h 3; cupin superfamily; prolamin superfamily; profilins; superfamily of Bet v 1-homologous proteins; Peanut lipid transfer proteins; LTP; oleosin; <i>Arachis hypogaea</i> ; Peanut; groundnut
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## GENE INFORMATION

<b>Protein Refseq</b>	None
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