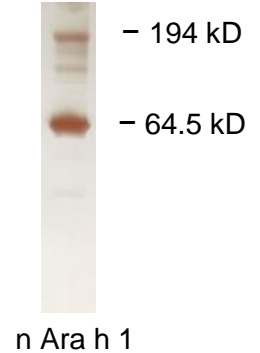


LoTox™ Natural Ara h 1

Product Code:	LTN-AH1-1
Lot No:	XXXX
Allergen:	nAra h 1 (<i>Arachis hypogaea</i> allergen 1)
Source:	Blanched peanut, crushed (<i>Runner</i> cultivar)
Mol. Wt:	64.5 kD (monomer)
Purification:	From delipidated peanut extract by affinity chromatography. Purity on silver stained SDS-PAGE >95%.
Concentration:	XX mg/ml based on OD ₂₈₀ ; Ext. Coef. = 0.579 (see product insert)
Formulation:	Preservative and carrier-free in endotoxin free phosphate buffered saline, pH 7.4. Sterile filtered.
Storage:	Store at -20°C.
Notes:	(1) Upper band is Ara h 1 trimer. (2) The minor bands below the monomer are Ara h 1 fragments ³ . (3) Avoid repeated Freeze/Thaw cycles. (4) A LoTox™ product, Endotoxin < 0.03 EU/μg.



For Research Use Only: Not for Diagnostic or Therapeutic Use

References:

1. Burks AW, Williams LW, Helm RM, Connaughton C, Cockrell G, O'Brien T. Identification of a major peanut allergen, Ara h 1, in patients with atopic dermatitis and positive peanut challenges. *J Allergy Clin Immunol* 1991; 88(2):172-9.
2. Burks AW, Cockrell G, Stanley JS, Helm RM, Bannon GA. Recombinant peanut allergen Ara h 1 expression and IgE binding in patients with peanut hypersensitivity. *J Clin Invest* 1995; 96(4):1715-21.
3. Maleki SJ, Kopper RA, Shin D, Park CW, Compadre CM, Sampson H, Burks AW, Bannon GA. Structure of the major peanut allergen Ara h 1 may protect IgE-Binding epitopes from degradation. *J Immunol* 2000; 164:5844-5849.
4. Pomés A, Helm RM, Bannon G, Burks AW, Chapman MD. Monitoring peanut allergen in food products by measuring Ara h 1. *J Allergy Clin Immunol* 2003; 111(3):640-645.