

LoTox™ Natural Fel d 1

Product Code: LTN-FD1-1

Allergen:	nFel d 1 (<i>Felis domesticus</i> allergen 1)	
Lot No:	XXXXX	
Source:	cat hair	
Mol. Wt:	18 kD	
Purification:	Purified from cat hair extract by multi-step column chromatography. Purity > 95% on SDS-PAGE.	LoTox nFel d 1
Concentration:	(See product insert) by OD280. Extinction coefficient = 0.82	
Formulation:	Preservative and carrier-free in endotoxin free phosphate buffered saline, pH 7.4. Filtered through 0.22µm filter.	
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.	
Notes:	A LoTox™ product, Endotoxin < 0.03 EU/µg.	

For Research Use Only: Not for Diagnostic or Therapeutic Use

REFERENCES:

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- Luczynska CM, Li Y, Chapman MD, Platts-Mills TAE. Airborne concentrations and particle size distribution of allergen derived from domestic cats (*Felis domesticus*). *Amer Rev Respir Dis* 1990; 141:361-367.
- Morgenstern JP, Griffith IJ, Brauer AW, Rogers BL, Bond JF, Chapman MD, Kuo M. Amino acid sequence of Fel d I, the major allergen of the domestic cat: Protein sequence analysis and cDNA cloning. *Proc Natl Acad Sci USA* 1991;88:9690-4.
- Kaiser L, Velickovic TC, Badia-Martinez D, Adedoyin J, Thunberg S, Hallen D, Berndt K, Gronlund H, Gafvelin G, van HM, Achour A. Structural Characterization of the Tetrameric form of the Major Cat Allergen Fel d 1. *J Mol Biol*, 2007;370:714-727.
- Hulse KE, Reefer AJ, Engelhard VH, Satinover SM, Patrie JT, Chapman MD, Woodfolk JA. Targeting Fel d 1 to FcγRI induces a novel variation of the T(H)2 response in subjects with cat allergy. *J Allergy Clin Immunol*, 2008;121:756-762.