

Biotinylated House Dust Mite Extract from *Dermatophagoides pteronyssinus*

Catalog # 3044

For Research Use Only - Not Human or Therapeutic Use

DESCRIPTION:	<p>Biotinylated House Dust Mite extract from <i>Dermatophagoides pteronyssinus</i>.</p> <p>House Dust Mite (HDM) is a common asthma allergen that more than 85% of asthma patients are sensitive to. Two major house dust mite species, <i>Dermatophagoides pteronyssinus</i> (Der p) and <i>Dermatophagoides farinae</i> (Der f), were found in asthma pathogenesis studies. The mites contain more than 20 types of HDM allergens; group 1 (Der 1) and group 2 (Der 2) allergens dominate overall allergic responses in patients and are the most commonly researched allergens (1-3).</p> <p>NOTE: House Dust Mite extract has a unique composition depending on the raw mite materials. The reactivity of this product may differ from batch to batch.</p>
APPLICATION:	<p>Use to detect anti-HDM antibodies as well as to study the localization and metabolism of HDM. Chondrex, Inc. recommends pairing biotinylated HDM with a streptavidin conjugated probe (enzyme or fluorochrome)</p>
QUANTITY:	0.1 mg protein
FORM:	Lyophilized powder
STORAGE:	-20°C
STABILITY:	2 years
NOTES:	N/A
REFERENCES:	<ol style="list-style-type: none">1. W. R. Thomas, W. Smith, House-dust-mite allergens. <i>Allergy</i> 53, 821-832 (1998).2. A. Custovic, S. Taggart, H. Francis, M. Chapman, A. Woodcock, Exposure to house dust mite allergens and the clinical activity of asthma. <i>J Allergy Clin Immunol</i> 98, 64-72 (1996).3. A. Jacquet, The role of innate immunity activation in house dust mite allergy. <i>Trends Mol Med</i> 17, 604-11 (2011).