

Human monoclonal antibody against Derp 2

Product reference: DDX0210

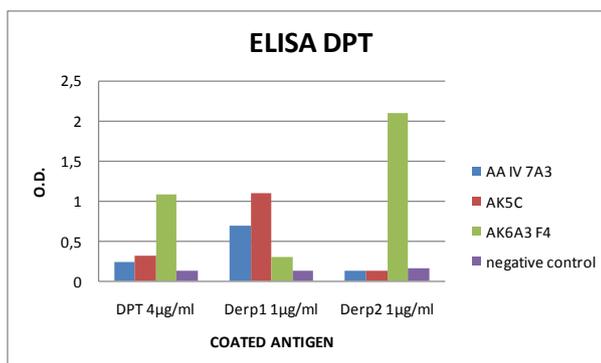
Description:

House-dust mite allergy belongs to the most common allergies worldwide which affect more than 50% of all allergic patients. House dust mite allergens play an important role in inducing IgE-mediated sensitization and the development of bronchial hyper responsiveness and asthma, perennial rhinitis, and atopic dermatitis. Allergic patients' sera (IgE) recognize the house-dust mite Dermatophagoides Pteronyssinus Derp1 and Derp2. The key event in these reactions is the cross-linking of IgE antibodies on effector cells by allergens, which induces a release of biologically active mediators like histamine and leukotrienes leading to different symptoms of allergy. *In vivo* studies have shown that the cysteine peptidase activity of group 1 house-dust mite allergens contributes to their allergenicity. (Chapman MD, 1980; *J. Immunol.*, 125: 587-592; Hales BJ, Thomas WR., 1997; *Clin. Exp. Allergy*, 27(8):868- 875; Doull IJ. et al, 1997; *Allergy*, 52,220; Custovic A, 1996; *J. Allergy Clin. Immunol.*, 98: 64-72; Szalai K. et al., 2008; *Mol. Immunol.* 45:5, 1308-17).

Specificity: allergen of the house-dust mites Dermatophagoides Pteronyssinus Derp 2
Source: EBV clone derived from PBMC of allergic patients to DPT
Cross-reactivity: nd
Purification: QMA Hyper D ion exchange chromatography
Formulation/size: **Purified:** 100 µg in 200µl Tris-NaCl pH 8
Coupled: 100 µg in 200 µl PBS 50% glycerol (available on request)

Available format:

Reference		Clone	Isotype	Format	Application tested
50µg	100µg				
DDX0210P-50	DDX0210P-100	H.AK6.A3.F4	IgG1 k	Purified	ELISA, WB



Human monoclonal antibodies were tested in an indirect ELISA to detect Dermatophagoides Pteronyssinus antigens : crude extract (DPT) or recombinant Derp1 or Derp2

Usage recommendation: *This monoclonal antibody may be used between 1-20 µg/ml.
 *Optimal dilution should be determined by each laboratory for each application
 *Coupled antibody: to maintain RT before using

Aliquot storage conditions **-20°C. KEEP CONTENTS STERILE: no preservative.**
Purified antibodies: avoid repeated freeze/thaw cycles.
Coupled antibodies: glycerol protects from freezing.

Not for use in Humans. For research purpose only