

Monoclonal Anti-human Der p 1

Product reference: DDX0211-DDX0212

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 *Dermatophagoïdes Pteronyssinus* Derp 1. 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*).

Species: human
Specificity: allergen of the house-dust mites *Dermatophagoïdes Pteronyssinus* Derp1
Immunogen: PBMC of allergic patients to Derp 1
Species cross-reactivity: nd
Purification: QMA Hyper D ion exchange chromatography
Formulation/size: **Purified:** 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8
Coupled: 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol (available on request)

Available formats:

Reference N°		Clone	Isotype	Format	Application tested
50 µg	100 µg				
DDX0211P-50	DDX0211P-100	H.AA.IV7A3	IgG1, k	purified	ELISA, WB, biopanning
DDX0212P-50	DDX0212P-100	H.AK5.C	IgG1, k	purified	ELISA, WB, biopanning

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 use.

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