

## Monoclonal Anti-human 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 Dermatophagoïdes Pteronyssinus Derp 1 and Derp 2. 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).*

<b>Species/Isotype:</b>	human/IgG1 kappa
<b>Specificity:</b>	allergen of the house-dust mites Dermatophagoïdes Pteronyssinus Derp 2
<b>Immunogen:</b>	PBMC of allergic patients to Derp 2
<b>Species cross-reactivity:</b>	nd
<b>Formulation/size:</b>	<b>Purified:</b> 100 µg in 200µl Tris-NaCl pH 8 <b>Coupled:</b> 100 µg in 200 µl PBS 50% glycerol (available on request)

#### Available format:

Reference	Clone	Format	Application tested
DDX0210	H.AK6.A3.F4	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 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**