

Anti-Der p 7 [WH9] Standard Size Ab00702-14.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgE, Kappa

Clone Number: WH9

Alternative Name(s) of Target: Mite allergen Der p 7; Allergen Der p VII; Major mite fecal allergen Der p 1; Dermatophagoides farinae allergen 1; Dermatophagoides pteronyssinus allergen 1

UniProt Accession Number of Target Protein: P49273

Published Application(s): Block, ELISA

Published Species Reactivity: House Dust Mite

Immunogen: Recombinant Der p 7.

Specificity: This antibody binds to the house dust mite allergen Der p 7 and competes with a subset of naturally occurring IgE.

Application Notes: The antibody binds specifically to Der p 7, a house dust mite allergen which plays an important role in inflammatory and hypersensitive reactions. The antibody WH9 binds to an epitope which is overlapping with that of IgE, thereby inhibiting its binding by up to 60%. By preventing mast cell degranulation, the antibody can be useful in the development of hypoallergenic vaccines.

Antibody First Published in: Shen et al. Characterization of the house dust mite allergen Der p 7 by monoclonal antibodies. Clin Exp Allergy. 1995 May;25(5):416-22. [PMID:7553244](#)

Note on publication: Describes the role of the house dust mite allergen Der p 7 in allergy, and the generation of monoclonal antibodies that target Der p 7.

Product Form

Size: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.