

Anti-Der p 1, Der f 1 [4C1] Standard Size Ab00132-14.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgE, Kappa

Clone Number: 4C1

Alternative Name(s) of Target: Dust Mite Allergen; Der p 1: Dermatophagoides pteronissynus allergen 1; Allergen Der p 1; Allergen Der p I; Major mite fecal allergen Der p 1; Peptidase 1. Der f 1: Allergen Der f 1; Dermatophagoides farinae allergen 1; Allergen Der f I; Major mite fecal

UniProt Accession Number of Target Protein: P08176; P16311

Published Application(s): ELISA

Published Species Reactivity: House Dust Mite

Immunogen: Der f I allergen purified from Dermatophagoides farinae.

Specificity: Recognises a unique cross-reactive epitope, present on dust mite Dermatophagoides Group 1 allergens Der p 1 and Der f 1, which are associated with IgE recognition. Monoclonal antibody [4C1] partially inhibits IgE antibody binding to Der p 1.

Application Notes:

Antibody First Published in: Heymann PW, Chapman MD, Platts-Mills TA. Antigen Der f I from the dust mite Dermatophagoides farinae: structural comparison with Der p I from Dermatophagoides pteronyssinus and epitope specificity of murine IgG and human IgE antibodies. J Immunol. 1986 Nov 1;137(9):2841-7.

[PMID:2428875](#)

Note on publication: Describes the generation and characterisation of two monoclonal antibodies with cross reactivity to Der p 1 and Der f 1.

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.