Anti-Bla g 2 [4C3] Standard Size Ab00651-1.1

Isotype and Format: Mouse IgG1, Kappa
Clone Number: 4C3
Alternative Name(s) of Target: Cockroach Allergen; Aspartic protease Bla g 2; Blattella germanica allergen
UniProt Accession Number of Target Protein: P54958
Published Application(s): crystallization, ELISA
Published Species Reactivity: German Cockroach (B. germanica)
Immunogen: Bla g 2, a major cockroach allergen.
Specificity: This antibody binds to the C-terminal lobe of Bla G 2, via an epitope containing a carbohydrate moiety (on Asn268, however non-essential for binding, though a 40-fold reduction in affinity is observed).
Application Notes: This antibody binds to Bla g 2 via an epitope distinct from the epitope used by anti-Bla g 2 antibody clone 7C11 also available through Absolute Antibody. Both antibodies may be used in a sandwich ELISA.
Antibody First Published in: Li et al. Carbohydrates contribute to the interactions between cockroach allergen Bla g 2 and a monoclonal antibody J Immunol. 2011 Jan 1; 186(1): 333–340. PMID:21123808
Note on publication: Describes the generation and use of this antibody in a co-crystallization study as well as in a sandwich ELISA with clone 7C11

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
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.

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