

Anti-Bla g 2 [7C11] Standard Size Ab00646-13.12

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 IgG4-S228P, Kappa

Clone Number: 7C11

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): crystallography, ELISA

Published Species Reactivity: German Cockroach (B. germanica)

Immunogen: Bla g 2, a major cockroach allergen.

Specificity: This antibody binds to the N-terminal lobe of Bla g 2.

Application Notes: This antibody binds to Bla g 2 via an epitope commonly used by allergenic IgE, however distinct from the epitope used by anti-Bla g 2 antibody clone 4C3 also available through Absolute Antibody. Both antibodies may be used in a sandwich ELISA. F(ab')₂ versions of this antibody have been used in co-crystallization studies of Bla g 2.

Antibody First Published in: Li et al. Crystal structure of a dimerized cockroach allergen Bla g 2 complexed with a monoclonal antibody. J Biol Chem. 2008 Aug 15;283(33):22806-14. [PMID:18519566](#)

Note on publication: Describes use of this antibody in a co-crystallization study.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

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.