

Anti-Bet v 1 [BV16] Standard Size Ab00648-14.0

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: BV16

Alternative Name(s) of Target: Birch Pollen Allergen; Major Allergen from Birch Pollen; BETVIA

UniProt Accession Number of Target Protein: P15494

Published Application(s): crystallography, WB, ELISA

Published Species Reactivity: Birch (*Betula pendula*)

Immunogen: Bet v 1-A, a major allergen of the European white birch.

Specificity: This antibody binds to Bet v 1.

Application Notes: This antibody binds to Bet v 1 via an epitope commonly used by allergogenic IgE. Fab versions of this antibody have been used in co-crystallization studies of Bet v 1.

Antibody First Published in: Mirza et al. Dominant Epitopes and Allergic Cross-Reactivity: Complex Formation Between a Fab Fragment of a Monoclonal Murine IgG Antibody and the Major Allergen from Birch Pollen Bet v 1 J. Immunol. 165 (1), 331-338 (2000) [PMID:10861069](#)

Note on publication: Describes the generation and characterization of the BV16 antibody.

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.