

Anti-Bos d 5 [D1] Standard Size Ab00650-13.12

This full-length, reformatted human antibody was made using the variable domain sequences of the original Human scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG4-S228P, Kappa

Clone Number: D1

Alternative Name(s) of Target: Cow Milk Allergen; bovine beta-lactoglobulin allergen; Beta-LG; Blg

UniProt Accession Number of Target Protein: B5B0D4

Published Application(s): crystallization

Published Species Reactivity: Cow (Bos taurus)

Immunogen: Bos d 5, a major allergen found in milk.

Specificity: This antibody binds to bovine beta-lactoglobulin, a member of the lipocalin protein family. It binds to an epitope in the beta-sheet structure that is not part of the most antigenic area of Bos d 5 accessible for IgG antibodies, but it may have overlapping areas with minor antigenic sites.

Application Notes: This antibody binds to Bos d 5. A Fab version of this antibody has been used in a co-crystallization study.

Antibody First Published in: Niemi et al. Molecular Interactions between a Recombinant IgE Antibody and the β -Lactoglobulin Allergen Structure. 2007 Nov;15(11):1413-21. [PMID:17997967](#)

Note on publication: Describes the generation and use of this antibody in 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.