

Anti-pectinase [B1] Standard Size Ab01533-8.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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

Isotype and Format: Rat IgG2b, Fc Silent™, Kappa

Clone Number: B1

Alternative Name(s) of Target: Polygalacturonase; PG; Endopolygalacturonase; ScFvB1; AY741402; enzyme pectinase

UniProt Accession Number of Target Protein:

Published Application(s): functional assays, WB, ELISA

Published Species Reactivity: Fungal

Immunogen: Spleen mRNA from mice immunized with extracellular proteins from Rhizoctonia solani was used to construct a cDNA library from which antipectinase ScFv antibodies were isolated using phage display techniques (Manatunga et al., 2005).

Specificity: This antibody binds to pectinases from various pathogenic fungi from such groups as ascomycetes, basidiomycetes, and oomycete.

Application Notes: B1 scFV antibody was shown to inhibit polygalacturonase (PG) activity in a number of pathogenic species of fungi and thus, it is a highly promising agent in the research on the methods of plant fungal diseases prevention (Manatunga et al., 2005). Furthermore, this antibody was also able to inhibit maceration caused by infection of plant tissue by necrotrophic fungi (Manatunga et al., 2005).

Antibody First Published in: Manatunga et al. Maceration of plant tissue by fungi is inhibited by recombinant antipectinase antibodies European Journal of Plant Pathology (2005) 112: 211-220 [PMID:](#)

Note on publication: This article describes the generation and characterisation of the B1 scFv.

Product Form

Size: 200 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.