

Anti-Cyclosporin A [R454511] Standard Size Ab01188-23.0

This chimeric rabbit 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: Rabbit IgG, Kappa

Clone Number: R454511

Alternative Name(s) of Target: CsA; ciclosporin A, cyclosporine A

UniProt Accession Number of Target Protein:

Published Application(s): crystallography, ELISA

Published Species Reactivity: n/a

Immunogen: BALB/c mice were immunised with a D-Lys⁸-Cs derivative coupled to a carrier protein.

Specificity: R454511 binds to residues 1, 2, 3, 4, 5, 9 and 11 of CsA.

Application Notes: Mutagenesis of Cs-derivatives identified that R454511 binds to residues 1, 2, 3, 4, 5, 9 and 11 of CsA (Quesniaux et al, 1990). In ELISA experiments, R454511 was found to bind to Cs conjugated with both Thr² (Thr²-Cs-BSA) and Lys⁸ (D-Lys⁸-Cs-BSA) (Quesniaux et al, 1990). The crystal structure of R454511 in complex with CsA has been obtained to 2.65 Å resolution (Altschuh et al, 1992).

Antibody First Published in: Quesniaux et al, 1990. Monoclonal antibodies to cyclosporin are representative of the major antibody populations present in antisera of immunized mice. Mol Immunol. 1990 Mar;27(3):227-36. [PMID:2342487](#)

Note on publication: Describes the original generation of the antibody and its characterisation through ELISA.

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.