

Anti-Macaque pan-species IgG [1B3] Standard Size Ab01269-23.0

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: 1B3

Alternative Name(s) of Target: Macaque IgG; Macaque immunoglobulin G

UniProt Accession Number of Target Protein:

Published Application(s): ELISA, FC

Published Species Reactivity: Baboon, Pigtailed Macaque, rhesus macaque, Cynomolgus Monkey

Immunogen: This antibody was raised by immunising mice with baboon IgG and screening hybridomas against IgG of different primate species.

Specificity: This antibody reacts with rhesus macaque IgG1 and IgG3, as well a cynomolgus monkey, pigtailed macaque and baboon IgG. It has minimal reactivity with human, mangabey, vervet, chimpanzee, or marmoset IgG.

Application Notes: This anti-macaque antibody has been used in ELISA analysis to detect rhesus anti-mouse antibodies in serum samples (Page et al, 2012). As this antibody is able to distinguish between human and macaque IgG, it has also been used in ELISA analysis to detect macaque antibodies raised against intravenously-administered human HIV broadly neutralising antibodies (Rosenberg et al, 2015). Additionally, it has been used in flow cytometric analysis to confirm the clearance of intravenously-administered anti-CD4 depleting antibody from the plasma of rhesus macaques (Mudd et al, 2011).

Antibody First Published in: Mudd et al. Reduction of CD4+ T cells in vivo does not affect virus load in macaque elite controllers. J Virol. 2011 Jul;85(14):7454-9. [PMID:21593153](#)

Note on publication: This antibody is from the laboratory of Keith Reimann, DVM, Beth Israel Deaconess Medical Center.

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.