

Anti-CD4 [OX-35] Standard Size Ab00567-8.1

This chimeric rat antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rat IgG2b, Kappa

Clone Number: OX-35

Alternative Name(s) of Target: Leu3/T4; L3T4; T4; Leu3; Leu-3; Ly4; Ly-4; W3/25 antigen; OX35; MRC OX-35; MRC OX35

UniProt Accession Number of Target Protein: P05540

Published Application(s): functional, IP, WB, ELISA, IF, IHC

Published Species Reactivity: Rat

Immunogen: OX-35 was prepared by immunizing mice with T blasts prepared in mixed lymphocyte reactions with purified rat T helper cells against irradiated spleen.

Specificity: OX-35 shows specificity towards rat CD4 antigen. W3/25 and OX-36 bind to different epitopes on CD4 antigen. CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction and is involved in regulation of T-cell activation.

Application Notes: This antibody is able to label cells expressing CD4 on their surface and can precipitate CD4 from detergent extracts of radioactively labelled thymocytes.

Antibody First Published in: Robinson et al. Macrophage heterogeneity in the rat as delineated by two monoclonal antibodies MRC OX-41 and MRC OX-42, the latter recognizing complement receptor type 3 *Immunology* 1986 57 239-247 [PMID:3512425](#)

Note on publication: Describes the original use of this antibody to detect SIRP alpha in labelling, immunoperoxidase and immunofluorescence studies to investigate macrophage heterogeneity.

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.