

## Anti-CD4 [OX-35] Bulk Size Ab00567-8.1-BT

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:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.