Anti-CD4 [OX-35] Bulk Size Ab00567-8.4-BT

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

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, Fc Silent™, 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 4ºC for up to 3 months. Note, this antibody is provided without

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added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20ºC.
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.

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