

Anti-CD6 [OX-52] Standard Size Ab00551-8.4

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-52

Alternative Name(s) of Target: OX52; MRC OX-52; MRC OX 52

UniProt Accession Number of Target Protein: Q812A4

Published Application(s): IP, FC, IHC-Fr

Published Species Reactivity: Rat

Immunogen: This antibody was prepared by immunizing BALB/c mice intraperitoneally with 4×10^7 rat (PVG-RT1c) thoracic duct leucocytes, followed 10 days later by a second injection of 4×10^7 PVG-RT1c spleen cells.

Specificity: This antibody is specific for rat CD6, which is largely restricted to cells of the T-lymphocyte lineage.

Application Notes: This antibody recognizes rat CD6, which is largely restricted to cells of the T-lymphocyte lineage, and, as a result, this antibody can be used to identify such cells in tissues or cell suspensions (Robinson, 1986). In cell suspensions prepared from lymph node, TDL, thymus and spleen, exclusively T cells are labelled. Using the immunoperoxidase technique on cryostat tissue sections, staining is mainly confined to the T-cell areas of the spleen, lymph nodes and Peyer's patches, as well as all thymocytes. However, occasional positive cells have been observed in the B cell areas of lymphoid organs (Robinson, 1986), and consequently this antibody is used in conjunction with other markers, such as OX-19, to identify T cells.

Antibody First Published in: Robinson et al. MRC OX-52: A rat T-cell antigen Volume 57, Issue 4, 1986, Pages 527-531 [PMID:2937721](#)

Note on publication: Describes the original use of this antibody in preliminary investigations into the nature of its antigen (CD6), and investigates the usefulness of this antibody as a T-cell marker.

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.