

## Anti-CD6 [OX-52] Bulk Size Ab00551-2.3-BT

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

**Isotype and Format:** Mouse IgG2a, [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  $4 \times 10^7$  rat (PVG-RT1c) thoracic duct leucocytes, followed 10 days later by a second injection of  $4 \times 10^7$  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:** 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.