

## Anti-CD2 [OX-34] Bulk Size Ab00559-23.0-BT

This chimeric rabbit 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:** Rabbit IgG, Kappa

**Clone Number:** OX-34

**Alternative Name(s) of Target:** LFA-2; LFA2; OX-34 antigen; OX34 antigen; T-cell surface antigen T11/Leu5; T cell surface antigen T11/Leu5; OX34; MRC OX34; MRC OX-34

**UniProt Accession Number of Target Protein:** P08921

**Published Application(s):** Block, FC

**Published Species Reactivity:** Rat

**Immunogen:** OX-34 was prepared by immunizing mice with T blasts prepared in mixed lymphocyte reactions with purified rat T helper cells against irradiated spleen.

**Specificity:** OX-34 binds specifically to rat CD2. CD2 is type I membrane protein involved in triggering of T-cells (cytoplasmic domain is involved in signaling function) and is expressed on thymocytes, peripheral T cells, dendritic epidermal T cells, macrophages in the spleen, and NK cells.

**Application Notes:** Ox34 blocks CD48 binding to CD2 causing partial block of T cell activation; OX34 can be used to deplete peripheral T cells (used to prevent allograft rejection in vivo).

**Antibody First Published in:** Arvieux et al. Monoclonal antibodies against a rat leucocyte antigen block antigen-induced T-cell responses via an effect on accessory cells. Immunology 58:337 1986 [PMID:2942461](#)

**Note on publication:** Describes the use of OX-45 in blocking the primary mixed lymphocyte response (MLR) and the secondary response of T lymphocytes to the soluble antigen DNP-BGG. It also showed that OX-45 did not have any effect on the cytotoxic activity of specific (CTL) or non-specific (NK) killer cells or on proliferative responses stimulated by lectins or oxidative mitogenesis.

## 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.