

## Anti-MHC Class I [OX-27] Standard Size Ab00575-8.1

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-27

**Alternative Name(s) of Target:** Major Histocompatibility Complex 1; MRC OX27; OX27

**UniProt Accession Number of Target Protein:**

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

**Published Species Reactivity:** Rat

**Immunogen:** This antibody was prepared by immunizing BALB/c mice with rat phytohemagglutinin blasts.

**Specificity:** This antibody recognizes a polymorphic determinant (c haplotype) of rat Class I MHC Antigen (RT-1A).

**Application Notes:** This antibody binds to rat MHC Class I, and has been used to show that, in an in vivo rat model, antibodies against MHC class I antigens from stored blood may precipitate transfusion-related acute lung injury (Kelher, 2009).

**Antibody First Published in:** Jeffries et al. Authentic T helper CD4 (W3/25) antigen on rat peritoneal macrophages. J Exp Med. 1985 Jul 1;162(1):117-27. [PMID:3159821](#)

**Note on publication:** Describes the original use of this antibody in immunoprecipitations to generate an MHC I precipitate for use in comparative SDS page analysis.

## 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.