

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.