Anti-MHC I (RT1A) [OX-18] Standard Size Ab00557-23.0

> This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: OX-18

Alternative Name(s) of Target: RT-1A; RT-1A histocompatibility antigen; non-polymorphic determinant of rat MHC class I; MHC class I; OX18; MRC OX18; MRC OX-18

UniProt Accession Number of Target Protein: P16391

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

Published Species Reactivity: Rat

Immunogen: OX-18 was prepared by immunizing BALB/c mice with rat spleen glycoproteins of the size of Ia antigens which has been depleted of Ia antigens using an OX-6 affinity column.

Specificity: OX18 binds to a non-polymorphic / monomorphic determinant of rat MHC class I protein.

Application Notes: This antibody binds to a monomorphic determinant of rat MHC Class I (RT1A). It is routinely used in flow-cytometry applications and has been shown to work in frozen immunohistochemistry assays.

Antibody First Published in: Fukumoto T, McMaster WR, Williams AF Mouse monoclonal antibodies against rat major histocompatibility antigens. Two Ia antigens and expression of Ia and class I antigens in rat thymus. Eur J Immunol. 1982 Mar;12(3):237-43 PMID:6178598

Note on publication: Describes the generation of the original hybridoma and the use of OX18 in analyzing RT-1A antigens on rat thymocytes

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4⁰C for up to 3 months. For longer storage, aliquot and store at -20⁰C.

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.