

Product datasheet

Anti-MHC class I RT Ia antibody [OX-18] ab33752

4 References

Overview

Product name	Anti-MHC class I RT Ia antibody [OX-18]
Description	Mouse monoclonal [OX-18] to MHC class I RT Ia
Host species	Mouse
Specificity	Ab33752 recognises a monomorphic determinant of rat MHC Class I (RT1A), expressed by all rat strains. However, quantitative measurements suggest that not all of the class I molecules are recognised.
Tested applications	Suitable for: ELISA, IP, Flow Cyt, IHC-Fr
Species reactivity	Reacts with: Rat
Immunogen	Full length protein corresponding to Rat MHC class I RT Ia. Spleen cell glycoproteins.
General notes	

This clone (OX-18) has been used in immunoaffinity purification of rat MHC class I molecules.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.40 Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	This antibody was purified tissue culture supernatant.
Primary antibody notes	This clone (OX-18) has been used in immunoaffinity purification of rat MHC class I molecules.

Clonality	Monoclonal
Clone number	OX-18
Myeloma	P3x63-Ag8.653
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab33752 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. Use 10ul of this dilution for 10 ⁶ cells in 100ul. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-Fr		Use at an assay dependent concentration. Acetone fixation recommended. The antigen is sensitive to fixation with paraformaldehyde.

Target

Relevance

The major histocompatibility complex (MHC) plays a central role in controlling immune responsiveness and susceptibility to a great variety of mainly autoimmune and infectious diseases. The mammalian MHC is usually divided into three regions, the class I, II, and III (also called central) gene regions, based on the genes contained therein. Class I regions encode the classical I (class Ia) and nonclassical I (class Ib) molecules. The widely expressed class Ia molecules perform the well described antigen presenting function to CD8 T lymphocytes, whereas the function of class Ib genes has largely remained unknown.

Cellular localization

Secreted

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