

Product datasheet

Anti-MHC Class 1 H2 Db/H2-D1 antibody [27-11-13] ab25244

2 References

Overview

Product name	Anti-MHC Class 1 H2 Db/H2-D1 antibody [27-11-13]
Description	Mouse monoclonal [27-11-13] to MHC Class 1 H2 Db/H2-D1
Host species	Mouse
Specificity	ab25244 recognizes the a3 domain of H2Db class I MHC antigen. The antibody cross-reacts with the a3 domain of H2Ld, H2Dq and H2Lq, but not H2Kd or H2Dd. Reactivity with haplotypes k, f, p, r, and s has not been observed.
Tested applications	Suitable for: IHC-Fr, Functional Studies, Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to Mouse MHC Class 1 H2 Db/H2-D1. BDF1 mouse splenocytes
Epitope	Recognizes an epitope on the a chain of H2Db.
General notes	<p>ab25244 can be used for complement-dependent cytotoxicity assays.</p> <p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 8.20 Constituent: 100% Borate buffered saline
Primary antibody notes	ab25244 can be used for complement-dependent cytotoxicity assays.
Clonality	Monoclonal

Clone number	27-11-13
Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab25244 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
IHC-Fr		Use at an assay dependent concentration.
Functional Studies		Use at an assay dependent concentration. Complement-dependent cytotoxicity assay.
Flow Cyt		Use at an assay dependent concentration. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Target

Relevance In the mouse the MHC Class 1 loci are called H2K, H2L and H2D. The equivalent loci in the human MHC are HLA (Human Leukocyte Antigen). MHC class I molecules are heterodimers, consisting of a single transmembrane polypeptide chain (the α -chain) which is highly polymorphic, and the invariant β_2 microglobulin (which is encoded elsewhere, not in the MHC). MHC class I molecules are found on almost every nucleated cell of the body. Their major function is to present peptide fragments derived from antigens to cytotoxic T cells.

Cellular localization Cell Membrane; single pass type I membrane protein

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