abcam

Product datasheet

PE Anti-MHC Class 1 H2 Db/H2-D1 antibody [27-11-13] ab25547

1 References 1 Image

Overview

Product name	PE Anti-MHC Class 1 H2 Db/H2-D1 antibody [27-11-13]
Description	PE Mouse monoclonal [27-11-13] to MHC Class 1 H2 Db/H2-D1
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Specificity	ab25547 recognizes the alpha3 domain of H-2Db class I MHC antigen. The antibody cross-reacts with the alpha3 domain of H-2Ld, H-2Dq and H-2Lq, but not H-2Kd or H-2Dd. Reactivity with haplotypes k, f, p, r, and s has not been observed.
Tested applications	**Suitable for:** 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	This antibody reacts with an epitope on the alpha chain [alpha3 domain] of H2Db.
Positive control	Flow cyt: Mouse BALB/c splenocytes.
General notes	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. Store In the Dark.
Storage buffer	pH: 7.3 Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose

	Also contains a stabilizing agent.
Purity	Affinity purified
Clonality	Monoclonal
Clone number	27-11-13
Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab25547 in the following tested applications.

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

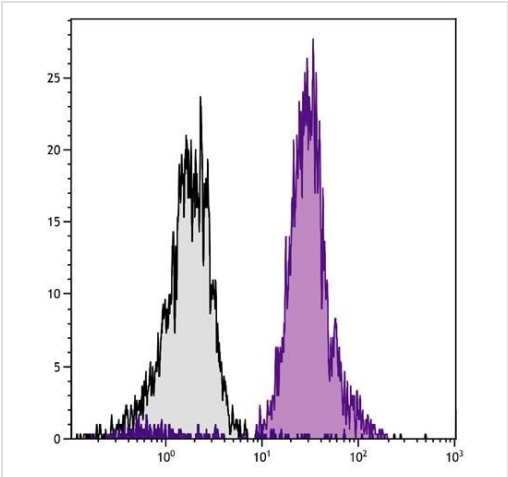
Application	Abreviews	Notes
Flow Cyt		Use 0.2µg for 10^6 cells.

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 a-chain) which is highly polymorphic, and the invariant ß2 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

Images



Flow Cytometry - PE Anti-MHC Class 1 H2 Db/H2-D1 antibody [27-11-13] (ab25547)

Flow cytometric analysis of mouse BALB/c mouse splenocytes stained for MHC Class 1 H2 Db/H2-D1 using ab25547 at 0.2 µg/10^6 cells.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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