

Datasheet for ABIN135415  
**anti-H2-D1 antibody (PE)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	0.1 mg
Target:	H2-D1
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This H2-D1 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	C3H.SW mouse splenocytes
Clone:	28-14-8
Isotype:	IgG2a
Specificity:	Mouse H-2Db
Characteristics:	Mouse Anti-Mouse H-2Db-PE

## Target Details

Target:	H2-D1
Alternative Name:	H-2Db ( <a href="#">H2-D1 Products</a> )
Background:	The classical MHC Class I molecules are histocompatibility antigens encoded by the H-2 gene complex and consist of heterodimers of highly polymorphic chains noncovalently associated

## Target Details

with the invariant 2-microglobulin. These antigens are expressed on most nucleated cells but expression varies on different cell types. MHC Class I molecules present endogenously synthesized peptides to CD8+ T lymphocytes, which are usually cytotoxic T cells.5 MHC Class I antigens expressed on thymic epithelial cells regulate the positive and negative selection of CD8+ T cells during T cell ontogeny.

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

## Application Details

Application Notes:

- **Applications:** FC - Quality tested , IHC-FS - Reported in literature , IP - Reported in literature , Block - Reported in literature , CMCD - Reported in literature
- **Working Dilutions:** Flow Cytometry Purified (UNLB) antibody 1 g/106 cells FITC, BIOT, and AF488 conjugates 1 g/106 cells PE conjugate 0.5 g/106 cells APC conjugate 0.1 g/106 cells  
For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Comment: Complement-mediated cytotoxicity

Sample Volume: 1 mL

Restrictions: For Research Use only

## Handling

Concentration: 0.1 mg/mL

Buffer: 0.1 mg in 1.0 mL of PBS/Sodium azide and a stabilizing agent

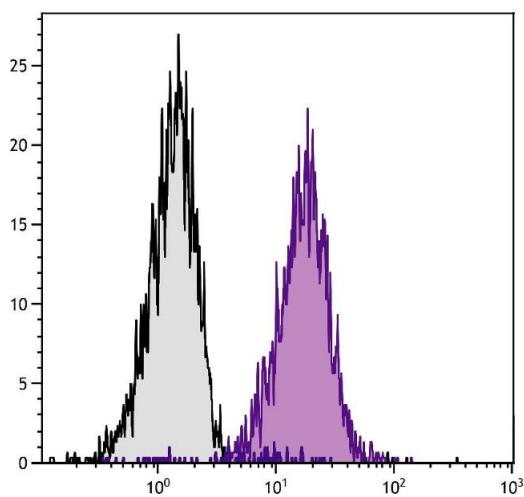
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: **Do not freeze!**  
**Protect conjugated products from light.**  
Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage: 4 °C

Storage Comment: Store at 2-8°C



### Flow Cytometry

**Image 1.** C57BL/6 mouse splenocytes were stained with Mouse Anti-Mouse H-2Db-PE.