# ARG21073
# anti-MHC Class I H2 Db antibody [28-14-8] (Biotin)

Package: 100 µg
Store at: 4°C

## Summary

| | |
|---|---|
| Product Description | Biotin-conjugated Mouse Monoclonal antibody [28-14-8] recognizes MHC Class I H2 Db |
| Tested Reactivity | Ms |
| Tested Application | BL, FACS, IHC-Fr |
| Specificity | The clone 28-14-8 binds to the α3 domain of H-2Db in the presence or absence of β2 microglobulin. It cross reacts with the α3 domain of H-2Ld, but not Kd or Dd, and with H-2Dq and/or Lq. 28-14-8 can block H-2Ld-specific and H-2Ld-restricted antigen-specific lysis of target cells by cytotoxic T lymphocytes but it does not block recognition of H-2Ld-positive target cells by Ly-6G2-positive NK cells. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | 28-14-8 |
| Isotype | IgG2a, kappa |
| Target Name | MHC Class I H2 Db |
| Species | Mouse |
| Immunogen | C3H.SW mouse splenocytes |
| Conjugation | Biotin |
| Alternate Names | H-2 class I histocompatibility antigen, D-B alpha chain; H2-D; B; H-2D |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| BL | Assay-dependent |
| FACS | < 1 µg/10^6 cells |
| IHC-Fr | Assay-dependent |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

## Properties

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| Form | Liquid |
| Buffer | PBS and 0.1% Sodium azide. |
| Preservative | 0.1% Sodium azide |
| Concentration | 0.5 mg/ml |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

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|---|---|
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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|---|---|
| Database links | GeneID: 14964 Mouse |
| | Swiss-port # P01899 Mouse |
| Gene Symbol | H2-D1 |
| Gene Full Name | histocompatibility 2, D region locus 1 |
| Function | Involved in the presentation of foreign antigens to the immune system. [UniProt] |
| Calculated Mw | 41 kDa |