

## Datasheet for ABIN1107565 **anti-HLA-DMA antibody (FITC)**



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### Overview

|              |   |
|--------------|---|
| Quantity:    | 0.1 mg                                      |
| Target:      | HLA-DMA                                     |
| Reactivity:  | Mouse                                       |
| Host:        | Rat   |
| Clonality:   | Monoclonal                                  |
| Conjugate:   | This HLA-DMA antibody is conjugated to FITC |
| Application: | Flow Cytometry (FACS)                       |

### Product Details

|                             |   |
|-----------------------------|---|
| Immunogen:                  | Activated C57BL/6 mouse spleen cells  |
| Clone:                      | M5-114  |
| Isotype:                    | IgG2b   |
| Specificity:                | The antibody M5/114 reacts with murine MHC class II glycoproteins. It recognizes a shared determinant on I-Ab, I-Ad, I-Aq, and I-Ed, I-Ek alloantigens, but it does not react with I-Af, I-Ak, I-As. This antibody can inhibit I-A-restricted T cell responses of the H-2b, H-2d, H-2q, H-2u but not H-2f, H-2k, H-2s haplotypes. |
| Cross-Reactivity (Details): | Species reactivity (tested):Mouse   |

### Target Details

|           |                                  |
|-----------|----------------------------------|
| Target:   | HLA-DMA                          |
| Abstract: | <a href="#">HLA-DMA Products</a> |

## Target Details

**Background:** MHC (major histocompatibility complex) class II molecules are transmembrane glycoproteins expressed on the surface of professional antigen-presenting cells, such as macrophages, dendritic cells and B cells. Before their exposition on the cell surface, the MHC class II molecules react with endocytosed exogenous antigens, which are then presented to the T cells. The antigen-binding groove between MHC class II alpha and beta chain is open at both ends and is 15-24 amino acid residues long. Synonyms: DM alpha chain, DMA, HLA class II histocompatibility antigen, MHC class II antigen DMA, RING6, Really interesting new gene 6 protein

**Gene ID:** 3108

**NCBI Accession:** [NP\\_006111](#)

**UniProt:** [P28067](#)

**Pathways:** [Cancer Immune Checkpoints](#), [Human Leukocyte Antigen \(HLA\) in Adaptive Immune Response](#)

## Application Details

**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

**Concentration:** 0.5 mg/mL

**Buffer:** Phosphate buffered saline (PBS), approx. pH 7.4, 15 mM sodium azide

**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! This product is photosensitive and should be protected from light.

**Storage:** 4 °C