

## Product datasheet for **AM26699FC-N**

### HLA DM (HLA-DMA) Rat Monoclonal Antibody [Clone ID: M5/114]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M5/114
Applications:	FC
Recommended Dilution:	Flow Cytometry: 4 µg/ml (starting point).
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Activated C57BL/6 mouse spleen cells
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.
Formulation:	Phosphate buffered saline (PBS), approx. pH 7.4 Label: FITC State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store the antibody at 2 - 8 °C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	major histocompatibility complex, class II, DM alpha
Database Link:	<a href="#">P28067</a>



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**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:**

DMA, RING6, MHC class II antigen DMA