

Product datasheet for **AM26699AF-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	M5/114
Applications:	FC, FN, IHC, IP, WB
Recommended Dilution:	Flow Cytometry: 2 µg/ml. Immunoprecipitation. Western blot. Immunohistochemistry on Paraffin Sections. Immunohistochemistry on Frozen Sections. Functional Application: Blocking of T cell proliferative responses.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Activated C57BL/6 mouse spleen cells
Specificity:	The antibody 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:	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized State: Azide Free State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Protein-G Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	major histocompatibility complex, class II, DM alpha



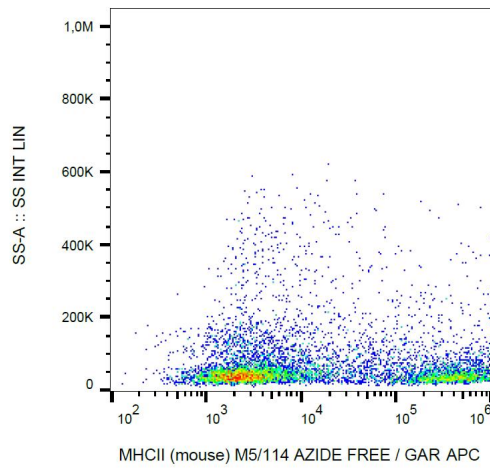
[View online »](#)

Database Link: [P28067](#)

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

Product images:



Surface staining of MHCII on murine splenocytes with anti-MHCII (M5/114) azide free, GAR-APC.