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Datasheet for ABIN1107564 **anti-HLA-DMA antibody**

Overview

Quantity:	0.1 mg
Target:	HLA-DMA
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This HLA-DMA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Flow Cytometry (FACS), Functional Studies (Func), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Activated C57BL/6 mouse spleen cells
Clone:	M5-114
Isotype:	IgG2b
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.
Cross-Reactivity (Details):	Species reactivity (tested):Mouse
Purification:	Protein-G affinity chromatography
Purity:	> 95 % pure by SDS-PAGE

Target Details

Target:	HLA-DMA
Abstract:	HLA-DMA Products
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:	1.0 mg/mL
Buffer:	Azide free phosphate buffered saline (PBS), approx. pH 7.4, 0.2 µm filter sterilized
Preservative:	Azide free
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer.