

Product Datasheet

MHC Class II Antibody (M5/114) - Azide and BSA Free NBP2-21789

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NBP2-21789

MHC Class II Antibody (M5/114) - Azide and BSA Free

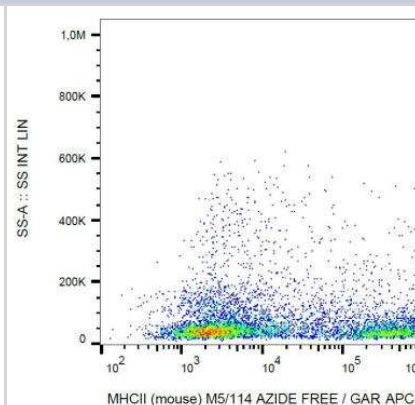
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	M5/114
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	Phosphate buffered saline (PBS), pH 7.4

Product Description	
Host	Rat
Gene ID	3108
Gene Symbol	HLA-DMA
Species	Mouse, Rat
Reactivity Notes	Use in Rat reported in scientific literature (PMID:34166814).
Specificity/Sensitivity	The rat monoclonal 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.
Immunogen	Activated C57BL/6 mouse spleen cells

Product Application Details	
Applications	Western Blot, Flow Cytometry, Functional, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 2 ug/ml, Immunohistochemistry 5-10 ug/ml, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:50-1:300, Immunohistochemistry-Frozen 1:50-1:300, Functional, CyTOF-ready
Application Notes	Functional Application: Blocking of T cell proliferative responses. This antibody is CyTOF ready.

Images

Flow Cytometry: MHC Class II Antibody (M5/114) - Azide Free [NBP2-21789] - Staining of MHCII on murine splenocytes with anti-MHCII (M5/114) azide free, GAR-APC.



Publications

Dharshika C, Gonzales J, Chow A et al. Stimulator of interferon genes (STING) expression in the enteric nervous system and contributions of glial STING in disease Neurogastroenterology & Motility 2023-02-27 (IHC)

Chow AK, Grubisic V, Gulbransen BD Enteric glia regulate lymphocyte activation via autophagy-mediated MHC-II expression Cellular and molecular gastroenterology and hepatology 2021-06-21 [PMID: 34166814] (IF/IHC, Rat)

Brown I The antioxidant glutathione protects against enteric neuron death in situ, but its depletion is protective during colitis. Am J Physiol Gastrointest Liver Physiol 2018-01-01 [PMID: 28882823] (IF/IHC, Mouse)

McLellan AD, Kapp M, Eggert A et al. Anatomic location and T-cell stimulatory functions of mouse dendritic cell subsets defined by CD4 and CD8 expression. Blood. 2002-03-15 [PMID: 11877283] (FLOW, Mouse)





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Products Related to NBP2-21789

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
DDXCR03	Rat IgG2b Isotype Control
664-LI-025	LIGHT/TNFSF14 [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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