#

MHC Class II (I-A/I-E) (M5/114.15.2) Rat mAb (violetFluor[™] 450 Conjugate) 80008



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Applications: Reactivity FC-FP, FC-L M	/: Sensitivity: Endogenous	Source/Isotype: Rat IgG2b kappa	UniProt ID: #P18468, #P06342, #Q3U060, #P14435	Entrez-Gene Id: 14969, 14961, 381091, 14960		
Product Usage	For optimal flow cytome	For optimal flow cytometry results, we recommend 0.25 μg of antibody per test.				
Information	Application Flow Cytometry (Fixed/P Flow Cytometry (Live)	ermeabilized)		Dilution 1:80 1:80		
Storage	Supplied in 10 mM NaH2PO4, 150 mM NaCl, 0.09% NaN3, 0.1% gelatin, pH 7.2. This product is stable for 12 months when stored at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.					
Specificity/Sensitivity	MHC Class II (I-A/I-E) (M5/114.15.2) Rat mAb (violetFluor™ 450 Conjugate) recognizes endogenous levels of total MHC class II (I-A/I-E) proteins. This antibody detects epitopes within the extracellular domain of MHC class II (I-A/I-E).					
Source / Purification	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation.					
Description	This Cell Signaling Technology antibody is conjugated to violetFluor™ 450 and tested in-house for direct flow cytometric analysis in mouse cells.					
Background	glycoproteins expressed cells, and B cells. Express Prior to being displayed peptide antigens approx extracellular proteins dig required for T cell activat the MHC class II protein HLAs corresponding to N The M5/114.15.2 antiboo glycoproteins (I-Ab, I-Ad, present on B cells, mono carrying the H-2b, H-2d,	on the surface of antig sion can also be induce on the cell membrane, imately 15-24 amino ac gested in the lysosome complex is encoded by /HC class II are HLA-DF dy reacts with mouse M I-Aq, I-Ed, I-Ek, not I-A cytes, macrophages, d H-2q, H-2p, H-2r and H	en-presenting cells, such d on other cell types thro MHC class II molecules a ids in length that were d (2). Antigen-presentation e response to extracellula the human leukocyte an the human leukocyte an the ALA-DM, HLA-DOA, HLA HC class II, both I-A and 1 f, I-Ak, or I-As). It detects endritic cells, and activate -2u haplotypes, but not f	ar pathogens (2). In humans, tigen gene complex (HLA). -DOB, HLA-DQ, and HLA-DR (3).		
Background References	H-2d, H-2q, and H-2u haj 1. Ting, J.P. and Trowsdal 2. Cresswell, P. (1994) <i>An</i> 3. Karp, D.R. et al. (1990) 4. Staehli, F. et al. (2012) 5. Scarlett, U.K. et al. (2016) 6. Anderson, M.S. and M 7. Miyazaki, T. et al. (1990) 8. Parra, D. et al. (2011) <i>J</i> 9. Chen, M. et al. (2011) <i>J</i>	e, J. (2002) <i>Cell</i> 109 Sup <i>nu Rev Immunol</i> 12, 25 <i>J Exp Med</i> 171, 615-28. <i>J Immunol</i> 188, 3820-8. 12) <i>J Exp Med</i> 209, 495- iller, J. (1992) <i>Proc Natl.</i> 5) <i>Cell</i> 84, 531-41. <i>Leukoc Biol</i> 91, 525-36	pl, S21-33. 9-93. 506. A <i>cad Sci U S A</i> 89, 2282-6			
Species Reactivity	Species reactivity is dete	rmined by testing in at	least one approved appli	cation (e.g., western blot).		
Applications Key	FC-FP: Flow Cytometry (F	ixed/Permeabilized) FC	- L: Flow Cytometry (Live)			
Cross-Reactivity Key	M: Mouse					

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