

Product Data Sheet

Anti-MHC Class II Antibody-PE/Cy5 labeled

Catalog #	Source	Reactivity	Applications
CFG8997	Rat	M	IF, FC
Description	Rat monoclonal antibody PE/Cy5 labeled to MHC Class II		
Immunogen			
Purification	The antibody was purified by affinity chromatography.		
Specificity	Recognizes mouse MHC Class II		
Clonality	Monoclonal (clone: NIMR-4)		
Conjugation	PE/Cy5		
Form	Rat IgG2b kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.		
Dilution	10 µl / assay		
Gene Symbol	H2-Aa		
Alternative Names	Ia1; H2Aa; Ia-1; H-2Aa; Aalpha; IAalpha; I-Aalpha		
Entrez Gene	14960 (Mouse)		
SwissProt	P01910, P04227, P04228, P14434, P14435, P14436, P14437, P14438, P23150 (Mouse)		
Directions for Use	<ol style="list-style-type: none"> 1. Take 100 µl peripheral blood anticoagulated by EDTA and add to the bottom of 5 ml tube. 2. Add 10 µl labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light. 3. Add 2 ml RBC lysis buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells. 4. Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant. 		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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5. Add 2 ml PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant.

6. Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 °C then measured).

Storage/Stability

Shipped and store at 4°C for one year. Do not freeze.

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