

Product datasheet for **TA386133**

MHC II Rat Monoclonal Antibody [Clone ID: P7/7]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | P7/7 |
| Applications: | FC, IHC, IP |
| Reactivity: | Rat, Mouse |
| Host: | Rat |
| Isotype: | IgG2b, kappa |
| Clonality: | Monoclonal |
| Immunogen: | This antibody was raised by immunising DA rats with PVG.R8 rat spleen cells. Splenocytes from immunised rats were then isolated, and fused to the myeloma line NSO/u to generate stable hybridomas. |
| Specificity: | <p>This antibody recognises the rat RT1Bu/Du MHC class II antigen, and cross-reacts with haplotypes c, d, l and n. This antibody stains MHC class II molecules in a number of rat strains, including PVG, F334, LEW, and BN. However, this antibody is not reactive with RT1a haplotype rats, including Wistar rats. This antibody also cross-reacts with murine I-A and I-E molecules of all haplotypes tested, including H-2b, d, f and k, so can be used in all mouse strains.</p> <p>This antibody reacts with murine MHC class II I-A and I-E molecules, as confirmed by two-dimensional gel electrophoresis of Ia immunoprecipitates from metabolically labelled murine lymphoma cells (Momburg et al, 1986). Cross-blocking studies with anti-Ia β-chain MAbs indicate that P7/7 binds to the β-chain of murine Ia (Momburg et al, 1986). This antibody has been used to stain acetone-fixed mouse pancreas sections to study lymphocyte infiltration (Signore et al, 1987; Signore et al, 1989) and ethanol-fixed mouse brain sections (McMenamin et al, 1998). In flow cytometric analysis, this antibody has been employed to identify MHC class II-expressing murine cells (Hayball & Lake, 2004; Heath et al, 1991), and to analyse the surface phenotype of murine N9 microglial cells (Dimayuga et al, 2005). This antibody has been used in immunofluorescence analysis of acetone-fixed thymus sections to identify MHC-II positive and negative medullae (Aschenbrenner et al, 2007).</p> |
| Formulation: | PBS with 0.02% Proclin 300. |
| Concentration: | lot specific |



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| Conjugation: | Unconjugated |
| Storage: | Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles. |
| Stability: | 3 years from dispatch. |