

Anti-MHC I [R1-9.6] Standard Size Ab00879-2.0

This chimeric mouse antibody was made using the variable domain sequences of the original format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, Kappa

Clone Number: R1-9.6

Alternative Name(s) of Target: R1.9.6; H-2; MHC-I; MHC Class I

UniProt Accession Number of Target Protein:

Published Application(s): IP, radioimmunoassay, IF

Published Species Reactivity: Mouse

Immunogen: This antibody was raised by immunising Lewis 1F rats with mouse CH-1 lymphoma cells. Spleen cells from immunised rats were fused with X-63Ag8-653 myeloma cells to generate hybridomas.

Specificity: This antibody is specific for murine MHC class I, and binds to polymorphic H-2 determinants expressed on most haplotypes. This antibody is, therefore, able to bind all H-2 class I molecules, independent of the allele. This antibody recognises a determinant distinct from those detected by most common mouse monoclonal anti-H-2 antibodies.

Application Notes: This antibody binds murine H-2 MHC class I molecules and has been used in both structural and biochemical studies. This antibody has been used in immunoprecipitation analysis (Robinson, 1987) and in immunofluorescence assays for MHC-I surface expression (Karacsonyi et al., 2004) and MHC-I endocytosis (Knorr et al., 2009). This antibody has also been employed to induce clustering of cell surface MHC-I in co-patching assays (Knorr et al., 2009). Cellular radioimmune assays have been used to confirm the binding of this antibody to spleen cells and assess its strain specificity (Koch et al., 1983; PMID: 6192569).

Antibody First Published in: Koch et al Comparison of allogeneic and xenogeneic determinants on the H-2Kk molecule Transplantation, August 1983, Vol.36(2), pp.177-80 [Peer Reviewed Journal] [PMID:6192569](#)

Note on publication: Describes the original generation and characterisation of this antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.