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Product datasheet for AM08082PU-N

H2-D1 Mouse Monoclonal Antibody [Clone ID: 27-11-13S]

Product data:

Product Type:	Primary Antibodies
Clone Name:	27-11-13S
Applications:	CT, FC
Recommended Dilution:	**Flow Cytometry** (See Ref.2) **Immunohistochemistry:** Acetone-Fixed, Frozen Tissue Sections only. **Complement-mediated cytotoxicity** (See Ref.1,2) **Immunocytochemistry** (See Ref. 3). **CMCD** (Reported in Ref.1).
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	BDF1 mouse splenocytes. (Ref.1)
Specificity:	This antibody recognizes the alpha 3 domain of H-2D^{b} class I MHC antigen. It cross-reacts with the alpha 3 domain of H-2L^{d}, H-2D^{q} and H-2L^{q}, but not H-2K^{d} or H-2D^{d}. Reactivity with haplotypes k, f, p, r, and s has not been observed. ***Customer feedback:*** Clone 27-11-13S does not cross-react with Human cells.
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	Entrez Gene 14964 Mouse P01899

View online »

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Background: In the mouse the MHC Class 1 loci are called H2K, H2L and H2D. The equivalent loci in the human MHC are HLA (Human Leukocyte Antigen).
MHC class I molecules are heterodimers, consisting of a single transmembrane polypeptide chain (the a-chain) which is highly polymorphic, and the invariant beta 2 Microglobulin (which is encoded elsewhere, not in the MHC). MHC class I molecules are found on almost every nucleated cell of the body. Their major function is to present peptide fragments derived from antigens to cytotoxic T cells.

Synonyms: H-2D(B), H2-D1

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