

## 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:	<b>Flow Cytometry</b> (See Ref.2) <b>Immunohistochemistry:</b> Acetone-Fixed, Frozen Tissue Sections only. <b>Complement-mediated cytotoxicity</b> (See Ref.1,2) <b>Immunocytochemistry</b> (See Ref. 3). <b>CMCD</b> (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 <sup>b</sup> class I MHC antigen. It cross-reacts with the alpha 3 domain of H-2L <sup>d</sup> , H-2D <sup>q</sup> and H-2L <sup>q</sup> , but not H-2K <sup>d</sup> or H-2D <sup>d</sup> . Reactivity with haplotypes k, f, p, r, and s has not been observed. <b>Customer feedback:</b> 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.
Gene Name:	histocompatibility 2, D region locus 1



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**Database Link:** [Entrez Gene 14964 Mouse P01899](#)

**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  $\alpha$ -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