

## Product datasheet for **AM08082FC-N**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	27-11-13S
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> < / = 1 µg/10e6 cells. (Ref.1-3)
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	C3H alphaBDF1 splenocytes. (Ref.1)
Specificity:	This antibody recognizes the alpha 3 domain of H-2Db class I MHC antigen. It cross-reacts with the alpha 3 domain of H-2Ld, H-2Dq and H-2Lq, but not H-2Kd or H-2Dd. 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:	PBS containing 0.09% Sodium Azide as preservative. Label: FITC State: Liquid purified Ig fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	histocompatibility 2, D region locus 1
Database Link:	<a href="#">Entrez Gene 14964 Mouse P01899</a>



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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  $\alpha$ -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