SONY

Product Data Sheet

PE/Cyanine7 anti-mouse H-2Kb/H-2Db

Catalog # / Size: 1173080 / 100 µg
1173075 / 25 µg

Clone: 28-8-6

Isotype: Mouse IgG2a, κ

Immunogen: C3H.SW mouse splenocytes

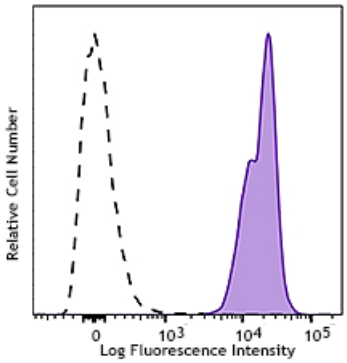
Reactivity: Mouse, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Workshop Number: HCDM listed

Concentration: 0.2



C57BL/6 mouse splenocytes were stained with H-2K^b/H-2D^b (clone 28-8-6) PE/Cy7 (filled histogram) or mouse IgG2a, κ PE/Cy7 isotype control (dashed histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: complement-mediated cytotoxicity[1], and immunohistochemical staining[2] of acetone-fixed frozen sections.

Application References:

1. Ozato K, *et al.* 1981. *J. Immunol.* 126:317. (Cyt)
2. Pappo J, *et al.* 1999. *Infect. Immun.* 67:337. (IHC)
3. Bui JD, *et al.*2006. *J. Immunol.* 176:905. (FC) PubMed.
4. Shao H, *et al.* 2005. *J. Immunol.* 175:1851. (FC)

Description: The 28-8-6 antibody reacts with the H-2K^b and H-2D^b MHC class I alloantigens expressed on nucleated cells from mice of the H-2K^b/H-2D^b haplotype. H-2K^b/H-2D^b is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins. The 28-8-6 antibody cross-reacts with H-2D^d MHC class I alloantigen, but does not react with alloantigens of f, k, p, q, r, s haplotypes.

Antigen References:

1. Ozato K, *et al.* 1981. *J. Immunol.* 126:317.
2. Allen H, *et al.* 1986. *P. Natl. Acad. Sci. USA* 83:7447.
3. Evans GA, *et al.* 1992. *Nature* 300:755.

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