SONY

Product Data Sheet

PE/Cy7 anti-mouse H-2Kb bound to SIINFEKL

Catalog # / Size: 1308040 / 100 µg
1308035 / 25 µg

Clone: 25-D1.16

Isotype: Mouse IgG1, κ

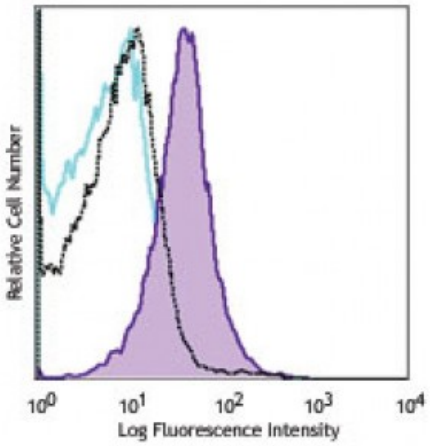
Immunogen: SIINFEKL pulsed RMA-S cells

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.

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

Concentration: 0.2



C57BL/6 mouse splenocytes were pulsed with or without SIINFEKL for 2 hours, and then stained with anti-mouse SIINFEKL bound H-2Kb (clone 25-D1.16) PE/Cy7 (purple filled histogram indicates the pulsed cells and cyan open histogram indicates non-

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 ≤1.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: The 25-D1.16 monoclonal antibody specifically reacts with ovalbumin-derived peptide SIINFEKL bound to H-2Kb of MHC class I, but not with unbound H-2Kb or H-2Kb bound with an irrelevant peptide. Additional reported applications (for relevant formats) include: Western Blotting[1,3], immunofluorescence microscopy[2,3], immunohistochemical staining of frozen tissue sections3 , and inhibition of T cell response to H-2Kb-SIINFEKL *in vitro*.

Application References:

1. Mareeva T, *et al.* 2010. *J. Immunol. Methods* 353:78. (WB)
2. Dolan BP, *et al.* 2010. *J. Immunol.* 184:1419. (IF)
3. Porgador A, *et al.* 1997. *Immunity* 6:715. (WB, IF, IHC)

Description: This antibody has been proven to be very useful in tracking the quantity and localization of these specific antigen-presenting cells (APC) *in vivo*.

Antigen References:

1. Mareeva T, *et al.* 2010. *J. Immunol. Methods* 353:78.
2. Mareeva T, *et al.* 2008. *J. Biol. Chem.* 283:29053.
3. Deng Y, *et al.* 1998. *J. Immunol.* 161:1677.

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