

PE anti-mouse H-2Kb bound to SIINFEKL

Catalog # / Size: 1308020 / 100 µg
1308015 / 25 µg

Clone: 25-D1.16

Isotype: Mouse IgG1, κ

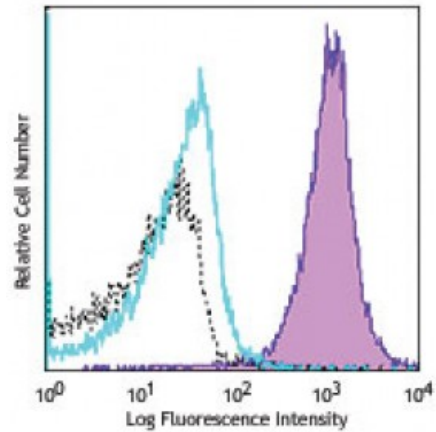
Immunogen: SIINFEKL pulsed RMA-S cells

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE 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 (filled histogram) or without (cyan open histogram) SIINFEKL for 2 hours and then stained with 25-D1.16 PE or mouse IgG1, κ PE isotype control (broken line open 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 ≤0.125 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)
 4. Herve J, *et al.* 2013. *J. Immunol.* 190:3163. [PubMed](#).

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.