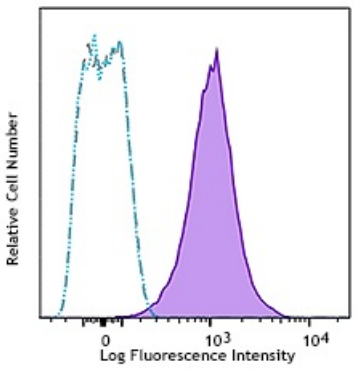
SONY

Product Data Sheet

APC/Fire™ 750 anti-mouse H-2Kb bound to SIINFEKL

Catalog # / Size:	1308065 / 25 µg 1308070 / 100 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 APC/Fire™ 750 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.2 mg/ml



C57BL/6 mouse splenocytes were pulsed with or without SIINFEKL for 2 hours, and then stained with anti-mouse SIINFEKL bound H-2K^b (clone 25-D1.16) APC/Fire™ 750 (purple filled histogram indicates the pulsed cells and cyan open histogram indicates non-pulsed cells) or mouse IgG1, κ APC/Fire™ 750 isotype control (black 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 ≤ 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application. * APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.
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 sections[3] , and inhibition of T cell response to H-2K^b-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*.

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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.