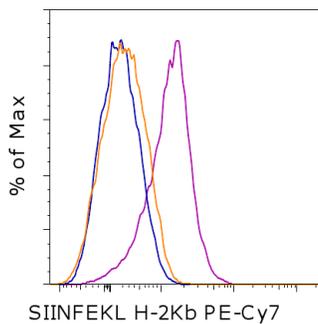


## Anti-Mouse OVA257-264 (SIINFEKL) peptide bound to H-2Kb PE-Cyanine7

**Catalog Number:** 25-5743

**Also known as:** H-2Kb-SIINFEKL, OVA-Kb

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of SIINFEKL-pulsed C57BL/6 splenocytes with 0.06 ug of Mouse IgG1 K Isotype Control PE-Cyanine7 (cat. 25-4714) (blue histogram) or 0.06 ug of Anti-Mouse OVA257-264 (SIINFEKL) peptide bound to H-2Kb PE-Cy7 (purple histogram). Orange histogram represents staining of unpulsed cells with 0.06 ug of Anti-Mouse OVA257-264 (SIINFEKL) peptide bound to H-2Kb PE-Cyanine7. Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse OVA257-264 (SIINFEKL) peptide bound to H-2Kb PE-Cyanine7

**REF** **Catalog Number:** 25-5743

**Clone:** eBio25-D1.16 (25-D1.16)

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Mouse IgG1, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**



### Description

The 25-D1.16 monoclonal antibody reacts with the 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. This antibody has proven to be very useful tracking the quantity and localization of these specific antigen-presenting cells (APC) in vivo.

### Applications Reported

This eBio25-D1.16 (25-D1.16) antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This eBio25-D1.16 (25-D1.16) antibody has been tested by flow cytometric analysis of SIINFEKL-pulsed C57BL/6 splenocytes. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Light sensitivity:** This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

**Fixation:** Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

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Berwin B, Hart JP, Rice S, Gass C, Pizzo SV, Post SR, Nicchitta CV. Scavenger receptor-A mediates gp96/GRP94 and calreticulin internalization by antigen-presenting cells. *EMBO J*. 2003 Nov 17;22(22):6127-36.

### Related Products

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

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