

# OVA257-264 (SIINFEKL) peptide bound to H-2Kb Monoclonal Antibody (eBio25-D1.16 (25-D1.16)), PE-Cyanine7, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio25-D1.16 (25-D1.16)
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10853347

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	7 Publications

## Product Specific Information

**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.

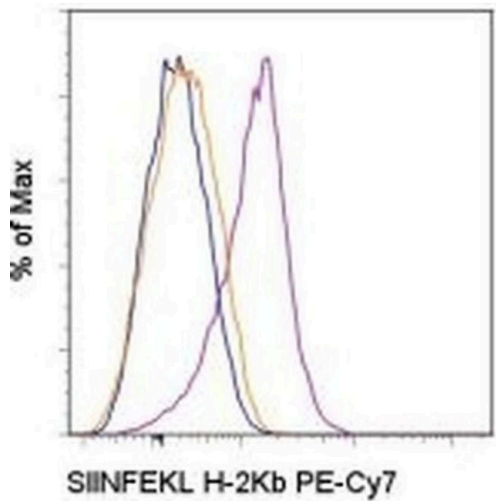
**Light sensitivity:** This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

**Fixation:** Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL 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.

Excitation: 488-561 nm; Emission: 775 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For OVA257-264 (SIINFEKL) peptide bound to H-2Kb Monoclonal Antibody (eBio25-D1.16 (25-D1.16)), PE-Cyanine7, eBioscience™



**OVA257-264 (SIINFEKL) peptide bound to H-2Kb Antibody (25-5743-82) in Flow**  
Staining of SIINFEKL-pulsed C57BL/6 splenocytes with 0.06 µg of Mouse IgG1 K Isotype Control PE-Cyanine7 (Product # 25-4714-80) (blue histogram) or 0.06 µg 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 µg of Anti-Mouse OVA257-264 (SIINFEKL) peptide bound to H-2Kb PE-Cyanine7. Total viable cells were used for analysis.

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7 References

Flow Cytometry (7)

<p>The Journal of clinical investigation</p> <p><b>RAD21 amplification epigenetically suppresses interferon signaling to promote immune evasion in ovarian cancer.</b></p> <p>"Published figure using OVA257-264 (SIINFEKL) peptide bound to H-2Kb monoclonal antibody (Product # 25-5743-82) in Flow Cytometry"</p> <p>Authors: Deng P,Wang Z,Chen J,Liu S,Yao X,Liu S,Liu L,Yu Z,Huang Y,Xiong Z,Xiao R,Gao J,Liang W,Chen J,Liu H,Hong JH,Chan JY,Guan P,Chen J,Wang Y,Yin J,Li J,Zheng M,Zhang C,Zhou P,Kang T,Teh BT,Yu Q,Zuo Z,Jiang Q,Liu J,Xiong Y,Xia X,Tan J</p>	<p>Year</p> <p>2022</p>
<p>Advanced materials (Deerfield Beach, Fla.)</p> <p><b>Engineered Bacterial Outer Membrane Vesicles as Controllable Two-Way Adaptors to Activate Macrophage Phagocytosis for Improved Tumor Immunotherapy.</b></p> <p>"25-5743-82 was used in Flow cytometry/Cell sorting to report a controllable two-way adaptor, PEG/Se@OMV-CD47nb, that remodels the TME and stimulates T cell-mediated antitumor immunity."</p> <p>Authors: Feng Q,Ma X,Cheng K,Liu G,Li Y,Yue Y,Liang J,Zhang L,Zhang T,Wang X,Gao X,Nie G,Zhao X</p>	<p>Year</p> <p>2022</p> <p>Species</p> <p>Mouse</p>

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