

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio25-D1.16 (25-D1.16)
Conjugate	APC
Excitation/Emission Max	651/660 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_1311286

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	25 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 peptide pulsed mouse 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Cells can be pulsed with the SIINFEKL peptide according to the following protocol:

1. With cells in flow staining buffer, add SIINFEKL peptide to a final concentration of 30 uM.
2. Incubate cells at 37°C for 2 hours.
3. Wash cells with flow staining buffer.

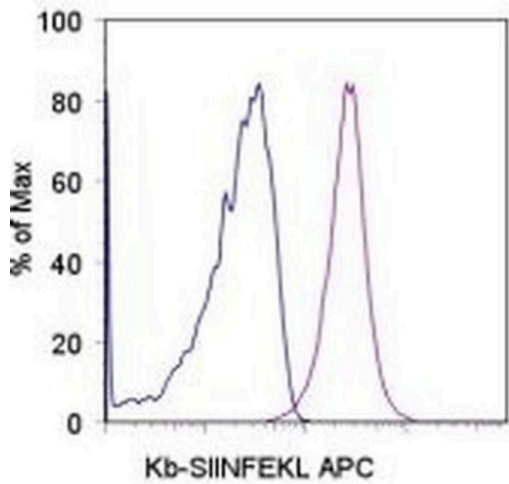
4. Proceed with cell surface staining as normal.

For additional information see the references listed below.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red 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)), APC, eBioscience™



OVA257-264 (SIINFEKL) peptide bound to H-2Kb Anticdy (17-5743-82) in Flow
Staining of unpulsed (blue histogram) or SIINFEKL-peptide-pulsed (purple histogram) C57BL/6 splenocytes with 0.06 µg of Anti-Mouse OVA (257-264) (SIINFEKL) peptide bound to H-2Kb APC. Total viable cells were used for analysis.

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Flow Cytometry (25)

<p>The Journal of clinical investigation</p> <p>RAD21 amplification epigenetically suppresses interferon signaling to promote immune evasion in ovarian cancer.</p> <p>"Published figure using OVA257-264 (SIINFEKL) peptide bound to H-2Kb monoclonal antibody (Product # 17-5743-82) 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 2022</p>
<p>The Journal of clinical investigation</p> <p>Histone methyltransferase WHSC1 loss dampens MHC-I antigen presentation pathway to impair IFN--stimulated antitumor immunity.</p> <p>"17-5743-82 was used in Flow Cytometry to establish a tumor-suppressive function of WHSC1 that relays IFN-signaling to promote antigen presentation in CRC cells, and provide a rationale for boosting WHSC1 activity in immunotherapy."</p> <p>Authors: Ren J,Li N,Pei S,Lian Y,Li L,Peng Y,Liu Q,Guo J,Wang X,Han Y,Zhang G,Wang H,Li Y,Jiang J,Li Q,Tan M,Peng J,Hu G,Xiao Y,Li X,Lin M,Qin J</p>	<p>Year 2022</p> <p>Species Human</p>

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