

OVA257-264 (SIINFEKL) peptide bound to H-2Kb Monoclonal Antibody (eBio25-D1.16 (25-D1.16)), Biotin, 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), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio25-D1.16 (25-D1.16)
Conjugate	Biotin
Form	Liquid
Concentration	0.5 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_1210600

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	Assay-Dependent	-
Flow Cytometry (Flow)	0.125 µg/test	9 Publications
Control (Ctrl)	-	1 Publication

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, and immunohistochemical staining.

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 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:

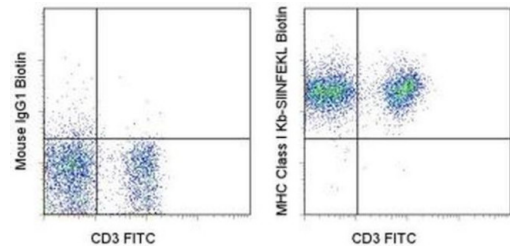
1. With cells in flow staining buffer, add SIINFEKL peptide to a final concentration of 30 uM.
2. Incubate cells at 37°C for 2 hours.

- 3. Wash cells with flow staining buffer.
- 4. Proceed with cell surface staining as normal.

For additional information see the references listed below.

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)), Biotin, eBioscience™



OVA257-264 (SIINFEKL) peptide bound to H-2Kb Antibody (13-5743-82) in Flow
Staining of C57BL/6 splenocytes with Anti-Mouse CD3e FITC (Product # 11-0031-82) and 0.25 µg of Mouse IgG1 kappa Isotype Control Biotin (Product # 13-4714-85) (left) or 0.06 µg of Anti-Mouse OVA (257-264) (SIINFEKL) peptide bound to H-2Kb Biotin (right) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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Flow Cytometry (9)

Frontiers in immunology	Year 2023
M(IL-4) Tissue Macrophages Support Efficient Interferon-Gamma Production in Antigen-Specific CD8 ⁺ T Cells with Reduced Proliferative Capacity.	Species Mouse
"13-5743 was used in Flow cytometry/Cell sorting to study how polarisation of spleen-derived-macrophages impacts direct presentation of viral antigens to influence effector and proliferative CD8+ T-cell responses."	
Authors: Mulder R,Banete A,Seaver K,Basta S	

The Journal of clinical investigation	Year 2022
RAD21 amplification epigenetically suppresses interferon signaling to promote immune evasion in ovarian cancer.	
"Published figure using OVA257-264 (SIINFEKL) peptide bound to H-2Kb monoclonal antibody (Product # 13-5743-82) in Flow Cytometry"	
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	

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Control (1)

Cellular & molecular immunology	Year 2011
CD4(+) T cell-released exosomes inhibit CD8(+) cytotoxic T-lymphocyte responses and antitumor immunity.	Species Mouse
"13-5743 was used as a Control in experiments to assess the effect of T cell secreted bioactive exosomes on OVA-pulsed dendritic cell-mediated CD81 cytotoxic T lymphocyte responses and antitumor immunity."	
Authors: Zhang H,Xie Y,Li W,Chibbar R,Xiong S,Xiang J	

More applications with references on thermofisher.com

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