

CD69 Monoclonal Antibody (H1.2F3), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	H1.2F3
Conjugate	PE
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_465732

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Flow Cytometry (Flow)	0.25 µg/test	96 Publications
In vitro Assay (IV)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

Description: The H1.2F3 monoclonal antibody reacts with mouse CD69, also known as very early activation antigen (VEA). CD69 is approximately 35 kDa and is expressed on the surface as a disulfide-linked dimer. While a small subset of lymphocytes in the thymus, spleen and lymph nodes express this antigen, activation of both T and B cells rapidly upregulates the surface expression of CD69, suggesting a role for CD69 in lymphocyte development and activation.

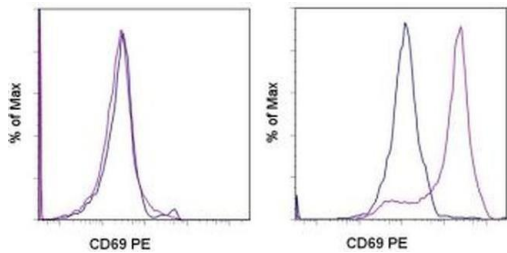
Applications Reported: The H1.2F3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The H1.2F3 antibody has been tested by flow cytometric analysis of resting and activated mouse splenocytes. This can be used at less than or equal to 0.25 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.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD69 Monoclonal Antibody (H1.2F3), PE, eBioscience™



CD69 Antibody (12-0691-82) in Flow

Staining of unstimulated (left) or overnight ConA-stimulated (right) C57BL/6 mouse splenocytes with 0.25 µg of Armenian Hamster IgG Isotype Control PE (Product # 12-4888-81) (blue histogram) or 0.25 µg of Anti-Mouse CD69 PE (purple histogram). Total viable cells were analyzed.

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Western Blot (1)

Molecular and cellular biology

Increased p300 expression inhibits glucocorticoid receptor-T-cell receptor antagonism but does not affect thymocyte positive selection.

"12-0691 was used in Western Blotting to determine the effects of increased p300 expression on GR-TCR crosstalk between thymocytes."

Authors: Yu CT,Feng MH,Shih HM,Lai MZ

Species
Mouse

Dilution
Not Cited

Year
2002

Flow Cytometry (96)

Journal of hematology & oncology

Cell-permeable transgeline-2 as a potent therapeutic for dendritic cell-based cancer immunotherapy.

"12-0691 was used in Flow cytometry/Cell sorting to indicate that cell-permeable transgeline-2 have a potential clinical value as a cancer immunotherapy based on DCs."

Authors: Kim HR,Park JS,Park JH,Yasmin F,Kim CH,Oh SK,Chung IJ,Jun CD

Species
Mouse
Not Applicable

Dilution
1:100
Not Cited

Year
2021

Oncoimmunology

LYG1 exerts antitumor function through promoting the activation, proliferation, and function of CD4⁺ T cells.

"12-0691 was used in Flow cytometry/Cell sorting to reveal a tumor-inhibiting role for LYG1 through promoting the activation, proliferation, and function of CD4⁺T cells in antitumor immune responses, offering implications for novel tumor immunotherapy."

Authors: Liu H,Zhang Y,Liu Z,Wang P,Mo X,Fu W,Liu W,Cheng Y,Han W

Species
Mouse

Dilution
Not Cited

Year
2021

[View more Flow references on thermofisher.com](#)

In vitro Assay (1)

BMC infectious diseases

A peptide fragment from the human COX3 protein disrupts association of Mycobacterium tuberculosis virulence proteins ESAT-6 and CFP10, inhibits mycobacterial growth and mounts protective immune response.

"12-0691 was used in in vitro experiments to show that disruption of ESAT-6:CFP10 association could be an alternate method for attenuating M. tuberculosis."

Authors: Samuchiwal SK,Tousif S,Singh DK,Kumar A,Ghosh A,Bhalla K,Prakash P,Kumar S,Bhattacharyya M,Moodley P,Das G,Ranganathan A

Species
Mouse

Dilution
Not Cited

Year
2014

More applications with references on thermofisher.com

Misc (1)

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