

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Armenian hamster / IgG
Class	Monoclonal
Type	Antibody
Clone	H1.2F3
Conjugate	Unconjugated
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
RRID	AB_467325

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.5 µg/test	79 Publications
Functional Assay (FN)	✓	Assay-Dependent	
Immunohistochemistry (IHC)	✓	Assay-Dependent	
Immunoprecipitation (IP)	✓	Assay-Dependent	

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, and immunoprecipitation. H1.2F3 has also been reported in in vitro cell activation. (Please use Functional Grade purified H1.2F3, cat. 16-0691, in functional assays.)

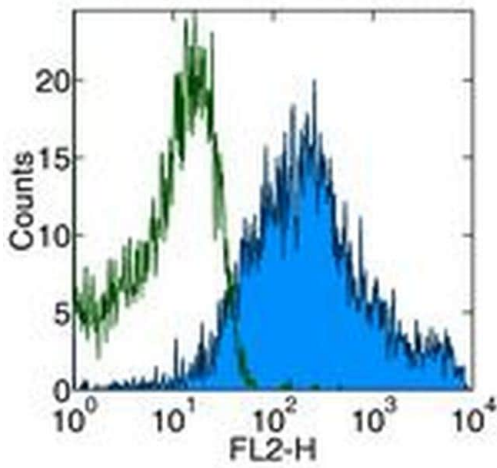
Applications Tested: The H1.2F3 antibody has been tested by flow cytometric analysis of resting and activated mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell 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.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD69 Antibody (14-0691-82) in Flow

Surface staining of ConA-stimulated splenocytes with Anti-Mouse CD69 PE (Product # 12-0691-82). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

[View more figures on thermofisher.com](#)

79 References

Flow Cytometry (79)

Scientific reports

Development of a screening strategy for new modulators of T cell receptor signaling and T cell activation.

"Published figure using CD69 monoclonal antibody (Product # 14-0691-82) in Flow Cytometry"

Authors: Chen EW, Brzostek J, Gascoigne NRJ, Rybakin V

Species

Not Applicable

Dilution

Not Cited

Year

2018

Scientific reports

Homoharringtonine induced immune alteration for an Efficient Anti-tumor Response in Mouse Models of Non-small Cell Lung Adenocarcinoma Expressing Kras Mutation.

"Published figure using CD69 monoclonal antibody (Product # 14-0691-82) in Flow Cytometry"

Authors: Weng TY, Wu HF, Li CY, Hung YH, Chang YW, Chen YL, Hsu HP, Chen YH, Wang CY, Chang JY, Lai MD

Species

Not Applicable

Dilution

Not Cited

Year

2018

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

More applications with references on thermofisher.com

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