Datasheet for ABIN135255

# anti-CD69 antibody (FITC)

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## Overview

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|---|---|
| Quantity: | 0.5 mg |
| Target: | CD69 |
| Reactivity: | Mouse |
| Host: | Hamster |
| Clonality: | Monoclonal |
| Conjugate: | This CD69 antibody is conjugated to FITC |
| Application: | Flow Cytometry (FACS) |

## Product Details

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|---|---|
| Immunogen: | Mouse dendritic epidermal cell line Y245 |
| Clone: | H1-2F3 |
| Isotype: | IgG |
| Specificity: | Mouse CD69, Mr 85 kDa (unreduced) |
| Characteristics: | Hamster Anti-Mouse CD69-FITC |
| Purification: | Protein A |

## Target Details

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|---|---|
| Target: | CD69 |
| Alternative Name: | CD69 (CD69 Products) |
| Background: | CD69, also known as very early activation (VEA) antigen, is a disulfide-linked transmembrane |

 

## Target Details

homodimer whose differentially glycosylated subunits range from 35-39 kDa. It is a C-type lectin, most closely related to the NKR-P1 and Ly-49 NK cell-activation molecules. CD69 is widely expressed on hematopoietic cells, including lymphocytes, neutrophils and eosinophils. Although not detectable on resting lymphocytes, its expression is rapidly (within 2 hours) upregulated upon activation of T, B and NK cells, and neutrophils.4 Constitutive expression of CD69 on subsets of thymocytes suggests that it may be involved in regulation of developmental events in addition to its role in activation of a variety of hematopoietic cells.

## Application Details

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| Application Notes: | • **Applications:** FC - Quality tested , IHC-FS - Reported in literature , IP - Reported in literature , Costim - Reported in literature , Activ - Reported in literature<br>• **Working Dilutions:** Flow Cytometry FITC, BIOT, and AF488 conjugates 1 g/106 cells PE, APC, SPRD, PE/CY7, AF647, and PACBLU conjugates 0.2 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L |
| Comment: | In vitro T cell and NK-cell activation |
| Sample Volume: | 1 mL |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Concentration: | 0.5 mg/mL |
| Buffer: | 0.5 mg in 1.0 mL of PBS/Sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | **Protect conjugated products from light.**<br>Each reagent is stable for the period shown on the bottle label if stored as directed. |
| Storage: | 4 °C |
| Storage Comment: | Store at 2-8°C |

## Publications

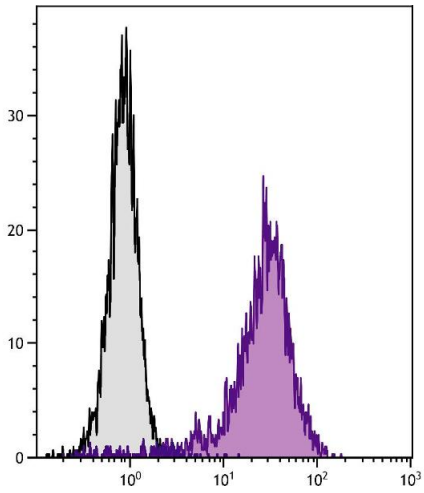
| | |
|---|---|
| Product cited in: | Dogan, Kozhaya, Placek, Gunter, Yigit, Hardy, Plassmeyer, Coatney, Lillard, Bukhari, Kleinberg, Hayes, Arditi, Klapper, Merin, Liang, Gupta, Alpan, Unutmaz: "SARS-CoV-2 specific antibody and |

## Publications

neutralization assays reveal the wide range of the humoral immune response to virus." in: **Communications biology**, Vol. 4, Issue 1, pp. 129, (2021) (PubMed).

Haag, Schneider, Mason, Tuncel, Andersson, Peters, Burkhardt, Holmdahl: "Mass spectrometric analysis of citrullinated type II collagen reveals new citrulline-specific autoantibodies, which bind to human arthritic cartilage." in: **Arthritis & rheumatology (Hoboken, N.J.)**, (2014) ( PubMed).

## Images




**Flow Cytometry**

**Image 1.** Con-A stimulated BALB/c mouse splenocytes were stained with Hamster Anti-Mouse CD69-FITC.