

**Datasheet for 200-B02-N88****CD69 Fluorescein Antibody****Overview**

|                      |                                                                                       |
|----------------------|---------------------------------------------------------------------------------------|
| <b>Description:</b>  | Anti-CD69 (Armenian Hamster) Fluorescein Conjugated Monoclonal Antibody - 200-B02-N88 |
| <b>Item No.:</b>     | 200-B02-N88                                                                           |
| <b>Size:</b>         | 500 µg                                                                                |
| <b>Applications:</b> | FC                                                                                    |
| <b>Reactivity:</b>   | Mouse                                                                                 |
| <b>Host Species:</b> | Hamster Armenian                                                                      |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Background:</b>   | CD69 is a 60 kD type II membrane protein composed of a 27/33 kD disulfide-linked homodimer, also known as Very Early Activation Antigen (VEA), AIM, EA1, MLR3, and gp34/28. It is expressed on a subset of thymocytes and platelets. CD69 is rapidly induced on activated T and B cells, neutrophils, and NK cells. It is a C-type lectin, closely related to the NKR-P1 and Ly-49 NK cell activation molecules. CD69 is involved in the early events of cell activation and thymocyte positive selection. |
| <b>Synonyms:</b>     | Early activation antigen CD69, CD69, Cd69                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Host Species:</b> | Hamster Armenian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Conjugate:</b>    | Fluorescein (FITC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Clonality:</b>    | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Clone ID:</b>     | H1.2F3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>F/P Ratio:</b>    | 4-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**Target Details**

|                        |       |
|------------------------|-------|
| <b>Gene Name:</b>      | Cd69  |
| <b>Reactivity:</b>     | Mouse |
| <b>Immunogen Type:</b> | Other |

|                            |                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen:</b>          | Anti-CD69 Antibody (Monoclonal) was produced by repeated immunizations with Mouse dendritic epidermal T cell line Y245.                                                                                                                                                                                                                   |
| <b>Purity/Specificity:</b> | Fluorescein conjugated CD69 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against mouse CD69. Cross reactivity with CD69 from other sources has not been tested. Anti-CD69 is conjugated with FITC under optimal conditions and the solution is free of unconjugated FITC. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P37217</a></li><li>• <a href="#">NCBI - NP_001028294.1</a></li><li>• <a href="#">GeneID - 12515</a></li></ul>                                                                                                                                                             |

## Application Details

|                             |                                                                                                                                                                                                                                                     |
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| <b>Tested Applications:</b> | FC                                                                                                                                                                                                                                                  |
| <b>Application Note:</b>    | Anti-CD69 is tested for FLOW and useful for Immunohistochemistry and Immunoprecipitation using mouse spleen cells, or an appropriate cell type (where indicated). Researchers should determine optimal titers for applications that are not stated. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                     |
| <b>FC:</b>                  | 10 $\mu$ L/10 <sup>6</sup> cells (0.1 $\mu$ g)                                                                                                                                                                                                      |
| <b>IHC:</b>                 | User Optimized                                                                                                                                                                                                                                      |
| <b>IP:</b>                  | User Optimized                                                                                                                                                                                                                                      |

## Formulation

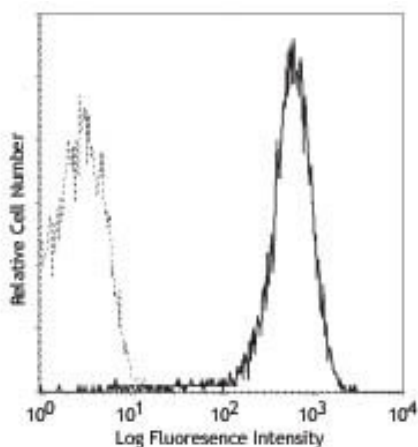
|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                               |
| <b>Concentration:</b>  | 0.5mg/ml Sufficient to run approximately 100 tests      |
| <b>Buffer:</b>         | 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.09% (w/v) Sodium Azide                                |
| <b>Stabilizer:</b>     | None                                                    |

## Shipping & Handling

|                            |         |
|----------------------------|---------|
| <b>Shipping Condition:</b> | Wet Ice |
|----------------------------|---------|

|                           |                                                                                                                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Condition:</b> | Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. DO NOT FREEZE. This product is light sensitive. |
| <b>Expiration:</b>        | Expiration date is six (6) months from date of receipt.                                                                                                                                           |

## Images



### Flow Cytometry

Flow Cytometry of Anti-CD69 Fluorescein Conjugated Monoclonal Antibody. Cells: splenocytes. Stimulation: PMA (6 hours). Antibody: (Dotted Line) FITC Armenian Hamster IgG isotype control; (Solid Line) Fluorescein Anti-CD69 Antibody.

## Disclaimer

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