

## Ly49F Secondary Antibody

Mouse Anti-Mouse Ly-49F-BIOT

|                              |                      |                            |                                                         |
|------------------------------|----------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA78682</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|------------------------------|----------------------|----------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

Ly49F; Monoclonal Secondary Antibody; Mouse Anti-Mouse Ly-49F-BIOT; Mouse Anti-Mouse Ly-49F - Biotin; Mouse Anti-Mouse Ly49F; Ly49F secondary antibody

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Host                                                 | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reactivity                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clonality                                            | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isotype                                              | Mouse (BALB/c) IgG1 kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clone Number                                         | HBF-719                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Specificity                                          | B6 allele of the Ly49F receptor<br>The monoclonal antibody HBF-719 reacts with the B6 allele of Ly49F, a member of the lectin-like homodimeric Ly49 family of cell surface receptors. <sup>1</sup> Mouse Ly49 receptors exhibit allelic specificity for MHC class I Ia molecules and are thought to serve to prevent natural killer (NK) cells from attacking normal cells, while allowing them to attack infected or transformed cells in which class I molecules have been down-regulated. <sup>2</sup> These inhibitory receptors are also expressed on subpopulations of mouse CD8+ T cells. The HBF-719 antibody stains ~ 11% of NK1.1+CD3-splenocytes, and 3.5% (2.5 month old) to 10.0% (11 month old) of CD8+ spleen cells from C57BL/6 mice. <sup>1</sup>                                                                                                                                                                                                               |
| Form/Format                                          | Biotin (BIOT) Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Applicable Applications for Ly49F secondary antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen                                            | CHO cells transfected with the B6 allele of Ly49F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Characterization                                     | To ensure acceptable performance, each batch of product is tested by flow cytometry to conform to characteristics of a standard reference reagent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                              | The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2- 8 degree C.<br>The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C.<br>The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C.<br>The R-phycoerythrin (R-PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze!<br>The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Aliquot and store at or below -20 degree C.<br>Protect conjugated forms from light. Aliquot and freeze the low endotoxin, azide-free product at -20 degree C immediately upon receipt. Each reagent is stable for the period shown on the bottle label if stored as directed. |

### ADDITIONAL INFORMATION

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| References | <ol style="list-style-type: none"> <li>1. Coles, M.C., C.W. McMahon, H. Takizawa, and D.H. Raulet. 2000. Eur. J. Immunol. 30:236.</li> <li>2. Ljunggren, H.G., and K. Karre. 1990. Immunol. Today 11:237.</li> <li>3. Liu, S., and D.H. Raulet. Personal communication.</li> </ol> |
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**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ly49f-secondary-antibody-clone-hbf-719-flow-cytometry-elisa/78682>