

## Mouse CD8b Monoclonal Antibody | anti-CD8b antibody

CD8b antibody

|                               |                      |                                                         |
|-------------------------------|----------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA224751</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|---------------------------------------------------------|

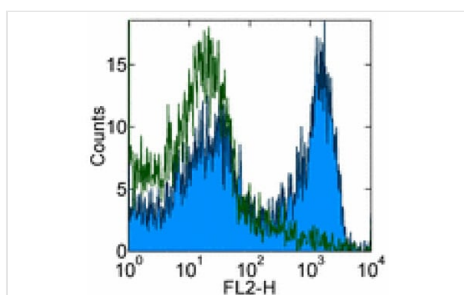
### PRODUCT SYNONYMS

CD8b; Monoclonal Antibody; CD8b antibody; Mouse monoclonal CD8b antibody; Monoclonal CD8b antibody; Anti-CD8b antibody; CD8 beta antibody; CD-8b antibody; CD-8b; CD 8b; CD 8b antibody; Ly-3 antibody; anti-CD8b antibody

### PRODUCT SPECIFICATIONS

|                                                |                                               |
|------------------------------------------------|-----------------------------------------------|
| Host                                           | Mouse                                         |
| Clonality                                      | Monoclonal                                    |
| Isotype                                        | IgG1 kappa                                    |
| Clone Number                                   | 341                                           |
| Specificity                                    | Human                                         |
| Purity/Purification                            | Purified by affinity chromatography.          |
| Form/Format                                    | Liquid; PBS, pH 7.2, with 0.09% sodium azide. |
| Concentration                                  | 0.5mg/ml (varies by lot)                      |
| Sequence Length                                | 243                                           |
| Applicable Applications for anti-CD8b antibody | FCM/FACS (Flow Cytometry)                     |
| Cross Reactivity                               | Rat                                           |
| Preparation and Storage                        | Store at 4°C.                                 |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Staining of Lou rat splenocytes with 0.25 ug of Mouse IgG1 kappa Isotype Control (open histogram) or 0.25 ug of AntiRat CD8b Purified (filled histogram) followed by Anti-Mouse IgG (biotin) and Streptavidin (PE). Cells in the lymphocyte gate were used for analysis.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD8b antibody | The 341 monoclonal antibody reacts with rat CD8beta. CD8beta is a member of the immunoglobulin superfamily which heterodimerizes with CD8 alpha to form the CD8 antigen expressed on CD4+CD8+, double-positive thymocytes, the majority of MHC class I-restricted peripheral T cells, and on some macrophages. CD8beta expression is absent in athymic mice, which are populated by T-cells expressing CD8 alpha homodimers. This has led to the idea that CD8beta expression is dependent on the development of T cells in the thymus. CD8 binds to MHC class I expressed on the surface of antigen-presenting cells during antigen presentation, and participates in T-cell receptor signal transduction through association with the kinase Lck. |
| Product Categories/Family for anti-CD8b antibody   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 71682667                                   |
| NCBI GeneID                      | 926                                        |
| NCBI Official Full Name          | CD8b molecule                              |
| NCBI Official Synonym Full Names | CD8b molecule                              |
| NCBI Official Symbol             | CD8B                                       |
| NCBI Official Synonym Symbols    | LY3; P37; LEU2; LYT3; CD8B1                |
| NCBI Protein Information         | T-cell surface glycoprotein CD8 beta chain |
| UniProt Protein Name             | T-cell surface glycoprotein CD8 beta chain |
| UniProt Gene Name                | CD8B                                       |
| UniProt Synonym Gene Names       | CD8B1                                      |

**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/cd8b-antibody-clone-341-flow-cytometry-elisa/224751>