

## Mouse anti-Human CD8 Monoclonal Antibody | anti-CD8A antibody

Monoclonal Anti-CD8

|                              |                      |                            |                                             |
|------------------------------|----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA44899</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|------------------------------|----------------------|----------------------------|---------------------------------------------|

### PRODUCT SYNONYMS

CD8; Monoclonal Antibody; Monoclonal Anti-CD8; T-cell surface glycoprotein CD8 alpha chain; T-cell surface glycoprotein CD8 beta chain; CD8a molecule; CD8b molecule; MAL; p32; Leu2; CD8B1; LY3; LYT3; T-lymphocyte differentiation antigen T8/Leu-2; anti-CD8A antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                |
| Reactivity                                     | Human                                                                                                                                                                                                |
| Clonality                                      | Monoclonal                                                                                                                                                                                           |
| Isotype                                        | IgG2a                                                                                                                                                                                                |
| Clone Number                                   | CA-8                                                                                                                                                                                                 |
| Purity/Purification                            | Ascites                                                                                                                                                                                              |
| Form/Format                                    | Lyophilized from 1.2% sodium acetate, with 2 mg BSA and 0.01 mg NaN <sub>3</sub> as preservative.                                                                                                    |
| Sequence Length                                | 247                                                                                                                                                                                                  |
| Applicable Applications for anti-CD8A antibody | IHC (Immunohistochemistry)                                                                                                                                                                           |
| Immunogen                                      | Human thymocytes followed by peripheral blood T cells.                                                                                                                                               |
| Contents                                       | Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative.                                                                                                     |
| Reconstitution                                 | 1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100ug/ml.                                                                                              |
| Preparation and Storage                        | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Figure 1. Flow Cytometry analysis of human PBMC cells using anti-CD8 antibody (AAA44899). Overlay histogram showing human PBMC cells stained with AAA44899 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD8 Antibody (AAA44899, 1ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight<sup>®</sup>488 conjugated goat anti-rabbit IgG (5-10ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Related Product Information for anti-CD8A antibody | <p><b>Description:</b> Mouse IgG monoclonal antibody for CD8, CD8a molecule, CD8b molecule (CD8A, CD8B) detection. Tested with IHC-F in Human. No cross reactivity with other proteins. Uniprot ID: P01732</p> <p><b>Background:</b> The human lymphocyte differentiation antigen CD8 is encoded by a single gene that gives rise to a 33- to 34-kDa glycoprotein expressed on the cell surface as a dimer and in higher molecular mass forms.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 1049227                                                                                                                                |
| NCBI GeneID                      | 12525                                                                                                                                  |
| Molecular Weight                 | 27,456 Da                                                                                                                              |
| NCBI Official Full Name          | CD8                                                                                                                                    |
| NCBI Official Synonym Full Names | CD8 antigen, alpha chain                                                                                                               |
| NCBI Official Symbol             | Cd8a                                                                                                                                   |
| NCBI Official Synonym Symbols    | Ly-2; Ly-B; Ly-35; Lyt-2; BB154331                                                                                                     |
| NCBI Protein Information         | T-cell surface glycoprotein CD8 alpha chain; T-cell surface glycoprotein Lyt-2; Lyt-2.1 lymphocyte differentiation antigen (AA at 100) |
| UniProt Protein Name             | T-cell surface glycoprotein CD8 alpha chain                                                                                            |
| UniProt Gene Name                | Cd8a                                                                                                                                   |
| UniProt Synonym Gene Names       | Lyt-2; Lyt2                                                                                                                            |
| UniProt Entry Name               | CD8A_MOUSE                                                                                                                             |

**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/cd8-antibody-clone-ca-8-immunohistochemistry-elisa/44899>