

## Mouse monoclonal antibody to CD3 [CA-3]: IgG

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| <b>Catalogue No.:</b>    | M-1164-100                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description:</b>      | The T-cell receptor-CD3 complex (CD3-TCR) plays an important role in mediating signaling transduction. The CD3-TCR complex consists of either a TCR alpha/beta or TCR gamma/delta heterodimer co-expressed at the cell surface with the CD3 subunits: CD3 gamma, CD3 delta, CD3 epsilon and CD3 zeta. These subunits are single-pass type I membrane proteins expressed on normal peripheral blood lymphocytes, thymocytes and Purkinje cells in the cerebellum. |
| <b>Batch No.:</b>        | See product label                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Unit size:</b>        | 100 ug                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Antigen:</b>          | Human thymocytes followed by Sezary T cells                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Clone:</b>            | CA-3                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Other Names:</b>      | T-cell surface glycoprotein CD3; CD3E; CD3G; CD3H; CD3Q; CD3Z; T cell receptor T3;                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Accession:</b>        | P04234 CD3D_HUMAN; P07766 CD3E_HUMAN;                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Produced in:</b>      | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity:</b>           | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications:</b>     | Immunohistochemistry (IHC-Frozen). A concentration of 1.0 ug/mL is recommended to detect CD3 in formalin/acetone fixed tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.                                                                                                                                                                                                                                      |
| <b>Specificity:</b>      | The specificity of this antibody has been confirmed by immunohistochemistry against the antigen.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cross-reactivity:</b> | Human; rat;                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Form:</b>             | Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN <sub>3</sub>                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reconstitution:</b>   | Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.                                                                                                                                                                                                                                                                                                                             |
| <b>Storage:</b>          | At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                          |
| <b>Expiry Date:</b>      | 12 months after purchase                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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FOR RESEARCH USE ONLY

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