



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

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| Catalogue No.: | M-1164-100 |
| Description: | 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. |
| Batch No.: | See product label |
| Unit size: | 100 ug |
| Antigen: | Human thymocytes followed by Sezary T cells |
| Clone: | CA-3 |
| Other Names: | T-cell surface glycoprotein CD3; CD3E; CD3G; CD3H; CD3Q; CD3Z; T cell receptor T3; |
| Accession: | P04234 CD3D_HUMAN; P07766 CD3E_HUMAN; |
| Produced in: | Mouse |
| Purity: | IgG |
| Applications: | 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. |
| Specificity: | The specificity of this antibody has been confirmed by immunohistochemistry against the antigen. |
| Cross-reactivity: | Human; rat; |
| Form: | Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN ₃ |
| Reconstitution: | Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material. |
| Storage: | 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. |
| Expiry Date: | 12 months after purchase |

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