

## 39-1014: Anti-CD3 Monoclonal Antibody (Clone: CA-3)

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| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | CA-3  |
| <b>Application :</b>           | IHC-F   |
| <b>Reactivity :</b>            | Human   |
| <b>Gene :</b>                  | Cd3e  |
| <b>Gene ID :</b>               | 315609  |
| <b>Uniprot ID :</b>            | D4A5M2  |
| <b>Alternative Name :</b>      | CD3 antigen, epsilon polypeptide (Predicted) ; Protein Cd3e ; Cd3e ; Cd3e_predicted ; rCG_58471 |
| <b>Isotype :</b>               | Mouse IgG1  |
| <b>Immunogen Information :</b> | Human thymocytes followed by Sezary T cells.  |

### Description

The alpha-beta heterodimeric T-cell antigen receptor binds antigen in association with major histocompatibility complex proteins on host cell surfaces. These 2 disulfide-linked glycoproteins, TCRA and TCRB are associated on T-cell surfaces with a complex of proteins called CD3(formerly T3). Human CD3 consists of at least 4 proteins: gamma, delta, epsilon, and zeta. The CD3-gamma/CD3-delta gene pair is within 300 kb of the CD3-epsilon gene and therefore these genes form a tightly linked cluster on 11q23. The clustering may be significant in terms of their simultaneous activations during T-cell development.

### Product Info

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|----------------------------|--|
| <b>Amount :</b>            | 100 µg/vial  |
| <b>Purification :</b>      | Ascites  |
| <b>Content :</b>           | Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative.<br>Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml. |
| <b>Storage condition :</b> | At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.  |

### Application Note

Immunohistochemistry(Frozen Section) : 1Ã¼g/ml