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### SZABO-SCANDIC HandelsgmbH

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### **Mouse Anti-Human CD3 Monoclonal Antibody**

**CLSG80245, CLSG80245-05**

|                                 |                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen:</b>               | Purified CD3 $\epsilon\gamma\delta$ /CD3 $\omega$                                                                                                                                                                                                                                                                                                                       |
| <b>Clone:</b>                   | F7.2.38                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype:</b>                 | IgG1                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Format:</b>                  | 1ml (CLSG80245), 0.5ml (CLSG80245-05). This antibody is supplied as tissue culture supernatant containing sodium azide as preservative.                                                                                                                                                                                                                                 |
| <b>Titer/Working Dilution:</b>  | This antibody may be diluted to a titer of 1:10-1:25 in an ABC method. However, depending on the staining conditions employed, we suggest that final dilution should be determined by the user.                                                                                                                                                                         |
| <b>Staining Protocol:</b>       | We suggest an incubation period of 60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u> |
| <b>Summary and Explanation:</b> | CD3 is first detectable in early thymocytes and its appearance probably represents one of the earliest signs of commitment to T cell lineage. In cortical thymocytes, the antigen is predominantly present as an intracytoplasmic constituent. This antibody labels CD3 $\epsilon$ and is a useful tool for the identification of T cells and related neoplasms.        |
| <b>Positive Control:</b>        | Tonsil                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cellular Localization:</b>   | Cytoplasmic, Cell membrane                                                                                                                                                                                                                                                                                                                                              |

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**Storage:**

Store the antibody at 4-8°C. Do not use it beyond the expiration date stated on the label.

**References:**

- i) Alibaud et al. J Histochem Cytochem 48:1609, 2000.
- ii) Lanier et al. J Immunol 149: 1876, 1992.
- iii) Ohno et al. Leukemia 9:44, 1995.

**For Research Use Only**

MW 08/04/15