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# Product datasheet for TA815865

## CD3E Mouse Monoclonal Antibody [Clone ID: OTI19B1]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI19B1 |
| **Applications:** | IHC |
| **Recommended Dilution:** | IHC 1:300 |
| **Reactivity:** | Human |
| **Host:** | Mouse |
| **Isotype:** | IgG2b |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Human recombinant protein fragment of Human CD3E (NM_000733) produced in Ecoli. |
| **Formulation:** | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide |
| **Concentration:** | 1 mg/ml |
| **Purification:** | Purified from mouse ascites fluids or cell culture supernatant by affinity chromatography (protein A/G) |
| **Conjugation:** | Unconjugated |
| **Storage:** | Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 23.1 kDa |
| **Gene Name:** | CD3e molecule |
| **Database Link:** | Entrez Gene 916 Human<br>P07766 |

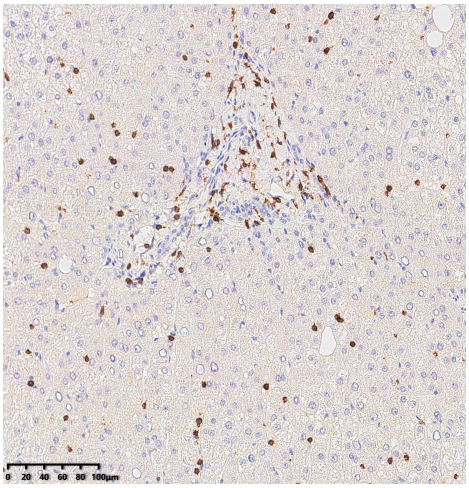
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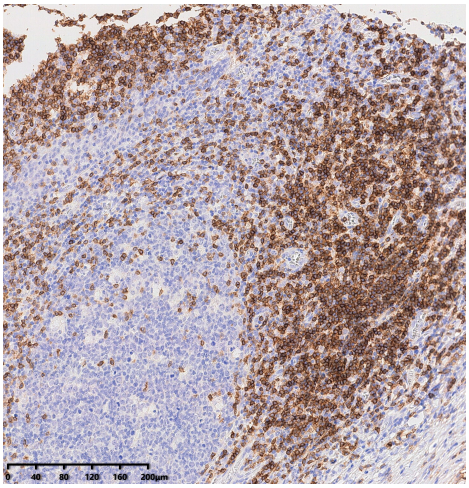
**Background:**

The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq, Jul 2008]

## Product images:



Immunohistochemical staining of paraffin-embedded Liver using anti-CD3E mouse monoclonal antibody.(Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH9.0) at 120°C for 3 min, TA815865)



Immunohistochemical staining of paraffin-embedded Tonsil using anti-CD3E mouse monoclonal antibody.(Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH9.0) at 120°C for 3 min, TA815865)

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