

## CD3 Recombinant Rabbit Monoclonal Antibody

**Cat:HKZ150157**
**Company:** HaoKebio

**Uniprot ID:**P07766

**Organism:**Rabbit

**Species reactivity:**Human

**Predicted Molecular Weight:** 23 kDa

**Applications:** IHC: 1:100-1:200

IHC-Polymer: 1:400-1:800

TSA:1:500-1:1000

**Background:**

CD3 is a multimeric protein complex, historically referred to as the T3 complex, composed of four distinct polypeptide chains: epsilon ( $\epsilon$ ), gamma ( $\gamma$ ), delta ( $\delta$ ), and zeta ( $\zeta$ ). These assemble and function as three pairs of dimers ( $\epsilon\gamma$ ,  $\epsilon\delta$ ,  $\zeta\zeta$ ). The CD3 complex serves as a T-cell coreceptor and non-covalently associates with the T-cell receptor (TCR). The CD3 antigen is present at all stages of T-cell development, making it an ideal marker for identifying normal T-cells and T-cell neoplasms (lymphomas and leukemias).

**Protein full name:**

CD3e molecule, epsilon (CD3-TCR complex)

**Synonyms:**

 CD3E, CD3 epsilon, T3E, T-cell surface antigen  
 T3/Leu-4 epsilon chain

**Immunogen:**

A synthetic peptide corresponding to amino acid residues 1-100 of CD3E.

**Isotype:**

IgG

**Subcellular location:**

Cell membrane

**Purity:**

Affinity purification

**Form:**

Liquid

**Storage Buffer:**

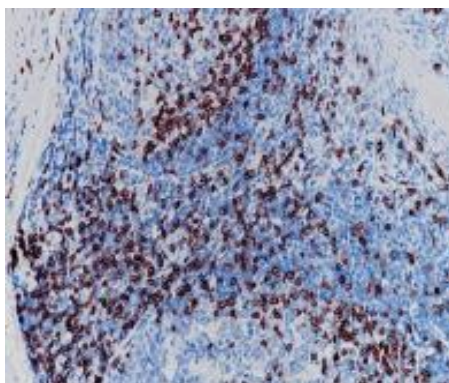
 59% PBS, 0.01% sodium azide, 40% glycerol,  
 0.05% BSA.

**Storage:**

 Ship on blue ice. Upon receipt, aliquot and store at  $-25^{\circ}\text{C}$  to  $-18^{\circ}\text{C}$ . Avoid repeated freeze-thaw cycles.

**Experimental procedure:**

 Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature ( $18^{\circ}\text{C}$  -  $25^{\circ}\text{C}$ ) for 30 minutes.

**Images:**


Immunohistochemical results of CD3-labeled human tonsil tissue (formalin-fixed, paraffin-embedded sections) using HKZ 150157. Tris-EDTA buffer (pH 9.0) was used for antigen retrieval.

**Source of Reagents:**

1. Chu PG, et.al, Appl Immunohistochem Mol Morphol. 2001 Jun;9(2):97-106.
2. Salvadori S, et.al, J Immunol. 1994 Dec 1;153(11):5176-8.

**Source of Reagents:**

发表[中文论文]请标注: CD3 (HKZ150157) 由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注: CD3 (HKZ150157) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

