

## CD3 Recombinant Rabbit Monoclonal Antibody

**Cat: HKZ150145**
**Company: HaoKebio**
**Uniprot ID:** P07766

**Applications:**

IHC: 1:100-1:200

**Organism:** Rabbit

IHC-Polymer: 1:400-1:800

**Species reactivity:** Human

TSA: 1:500-1:1000

**Predicted Molecular Weight:** 23 kDa

### Background:

The CD3 protein is a T-cell marker, a complex composed of four membrane glycoprotein subunits, containing extracellular, transmembrane, and intracellular domains. This complex is responsible for mediating the transduction of activation signals generated by TCR antigen recognition into the cell interior, mediating T-cell proliferation and cytokine release. CD3 is found exclusively in T cells and is an antigen broadly expressed across T-cell lineages. It can be detected in 80% to 97% of T-cell lymphomas and serves as a key marker for classifying malignant lymphomas and lymphoid leukemias.

### Protein full name:

Cluster of Differentiation 3

### Synonyms:

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

### Immunogen:

A synthetic peptide corresponding to amino acid residues 1–100 of CD3ε was used as the immunogen.

### Isotype:

IgG

### Subcellular location:

Cell membrane

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

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

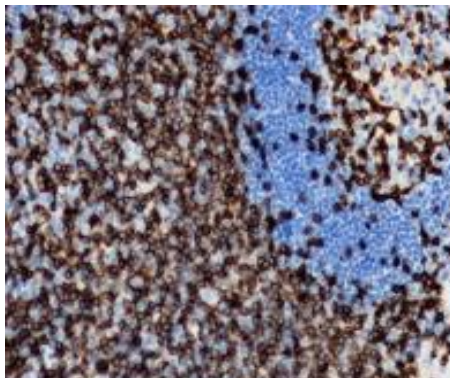
### Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

### Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 °C – 25 °C) for 30 minutes.

### Images:



Immunohistochemical results of HKZ150145-labeled CD3 in human tonsil tissue (formalin-fixed, paraffin-embedded sections). Tris-EDTA buffer (pH 9.0) was used for antigen retrieval.

### Source of Reagents:

1. Walts AE, et.al, Diagn Cytopathol. 2012 Jul;40(7):565-9.
2. Hudacko R, et.al, Mod Pathol. 2013 Sep;26(9):1241-5.

### Source of Reagents:

发表[中文论文]请标注: CD3 (HKZ150145)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 (HKZ150145) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

