

CD8 Recombinant Rabbit Monoclonal Antibody

Cat:HKZ150159
Company: HaoKebio

Uniprot ID:P01732

Organism:Rabbit

Species reactivity:Human

Predicted Molecular Weight: 26 kDa

Applications: IHC: 1:100-1:200

IHC-Polymer: 1:400-1:800

TSA:1:500-1:1000

Background:

The CD8 antigen is a cell surface glycoprotein expressed on most cytotoxic T lymphocytes (CTLs). It functions as a coreceptor that recognizes peptide-MHC class I complexes through the TCR, supporting CTL activation by binding to MHC without direct peptide interaction. CD8 exists as a heterodimer of CD8 α and CD8 β chains, expressed on cytotoxic T cells. Approximately one-third of peripheral blood T cells (CD4-negative cells) express CD8, with low-level expression also detected on natural killer (NK) cells. In normal human tonsils, abundant CD8⁺ lymphocytes are present in the paracortical areas, with occasional positive cells observed in the squamous epithelium of germinal centers.

Protein full name:

CD8 antigen

Synonyms:

 CD8, CD8 antigen, alpha chain, CD8 α , Ly 2, Ly 35

Immunogen:

A synthetic peptide corresponding to amino acid residues 135–235 of CD8.

Isotype:

IgG

Subcellular location:

Cell membrane

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

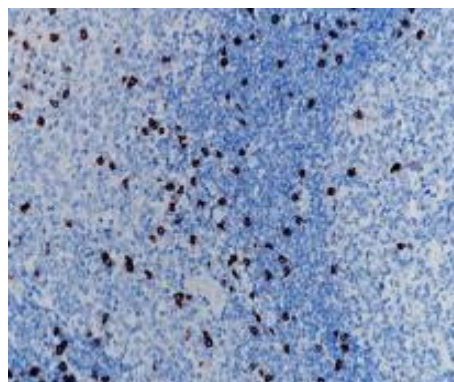
59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

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 CD8-labeled human tonsil tissue (formalin-fixed, paraffin-embedded sections) using HKZ 150159. Tris-EDTA buffer (pH 9.0) was used for antigen retrieval.

Source of Reagents:

1. Williamson SL, et.al, Am J Pathol. 1998 Jun;152(6):1421-6.
2. de la Calle-Martin O, et.al, J Clin Invest. 2001 Jul;108(1):117-23.

Source of Reagents:

发表[中文论文]请标注: CD8 (HKZ150159) 由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注: CD8 (HKZ150159) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

