

CD4 Recombinant Rabbit Monoclonal Antibody

Cat:HKZ150146
Company: HaoKebio

Uniprot ID: P01730

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: 51 kDa

Background:

The CD4 molecule is a glycoprotein belonging to the immunoglobulin superfamily associated with the recognition of HLA class II antigens. CD4 acts as a co-receptor, assisting the T-cell receptor (TCR) and antigen-presenting cells, and directly interacts with MHC class II molecules on the surface of antigen-presenting cells. In lymphoid tissues, a large number of CD4⁺ T cells are observed in the parafollicular regions, while a smaller number are found in the germinal centers and mantle zones. CD4 is also detected in hepatic sinusoidal cells, monocytes, and monocyte-derived cells but is not expressed in B cells or immature thymocytes. Except for aggressive NK-cell leukemia and extranodal NK/T-cell lymphoma, most mature T-cell lymphomas are CD4-positive. CD4 plays a significant role in the classification of lymphocytes in inflammatory lesions and malignant lymphomas.

Protein full name:

Cluster of Differentiation 4

Synonyms:

CD4 molecule, CD4mut, T-cell surface glycoprotein CD4

Immunogen:

A synthetic peptide corresponding to amino acid residues 200–300 of CD4.

Isotype:

IgG

Subcellular location:

Cell membrane

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

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

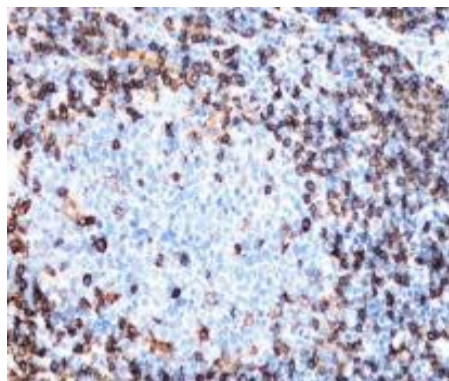
Storage:

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 CD4-labeled human tonsil tissue (formalin-fixed, paraffin-embedded sections) using HKZ 150146. Antigen retrieval was performed with Tris-EDTA buffer (pH 9.0).

Source of Reagents:

1. Karandikar NJ, et.al, Am J Clin Pathol. 2002 May;117(5): 819-25.
2. Beaty MW, et.al, Am J Surg Pathol. 2001 Sep;25(9):1111-20.

Source of Reagents:

发表[中文论文]请标注: CD4 (HKZ150146)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:CD4 (HKZ150146) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

