

CD4 Recombinant antibody

Cat:B32018R
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

Background:

CD4 molecule is a glycoprotein that belongs to the immunoglobulin superfamily associated with HLA class II antigen recognition. As a type of co-receptor, CD4 assists the T-cell receptor (TCR) and antigen-presenting cells (APCs) by directly interacting with MHC class II molecules on the surface of APCs. In lymphoid tissues, a large number of CD4⁺ T cells are found in parafollicular regions, while a small number of CD4⁺ T cells are present in germinal centers and mantle zones. CD4 is also detected in hepatic sinusoidal cells, monocytes, and monocyte-derived cells; however, it is not expressed in B cells or immature thymocytes. With the exception of aggressive NK-cell leukemia and extranodal NK/T-cell lymphoma, most mature T-cell lymphomas are CD4-positive. CD4 plays an important role in the classification of lymphocytes in inflammatory lesions and malignant lymphomas.

Protein full name:

CD4 molecule

Synonyms:

2H4A2, CD4 molecule, CD4mut, T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4

Immunogen:

Peptide

Isotype:

IgG

Subcellular location:

Cell membrane

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

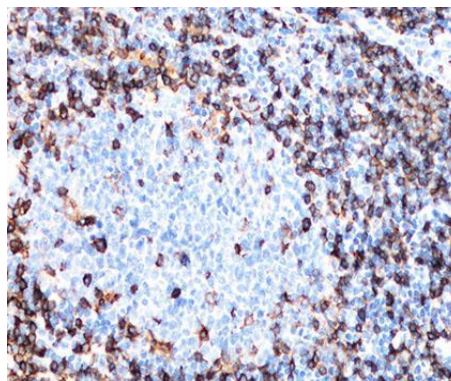
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Human tonsil tissue, 4% PFA 12-24h

Source of Reagents:

发表[中文论文]请标注:CD4(B32018R)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(B32018R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.