

CD45 Recombinant Rabbit Monoclonal Antibody

Cat:HKZ150191

Company: HaoKebio

Uniprot ID: P08575

Organism:Rabbit

Species reactivity:Human

Predicted Molecular Weight:147 kDa

Applications: IHC: 1:100-1:200

IHC-Polymer: 1:400-1:800

TSA:1:500-1:1000

Background:

CD45, also known as the common leukocyte antigen, is a single-chain transmembrane glycoprotein containing at least four distinct isoforms. Each isoform shares identical intracellular domains, while their extracellular domains are rod-like and highly glycosylated. CD45 is expressed on nearly all hematopoietic lymphocytes, including lymphocytes, granulocytes, monocytes, macrophages, immature interdigitating reticular cells, and megakaryocytes. CD45 is expressed on the majority of hematopoietic malignancies, such as leukemia and malignant lymphomas. Approximately 90% of malignant lymphomas test positive for CD45 (CD45+). CD45 is commonly utilized as a primary detection marker for tumors of hematopoietic origin to assess hematopoietic lymphocyte differentiation. When CD45 expression is negative in B-lymphoblastic neoplasms, it often indicates a poor prognosis.

Protein full name:

protein tyrosine phosphatase, receptor type, C

Synonyms:

EC:3.1.3.48, GP180, L CA, LCA, L-CA

Immunogen:

A recombinant fragment of human CD45 corresponding to amino acids 1-600.

Isotype:

IgG

Subcellular location:

Cell membrane

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

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

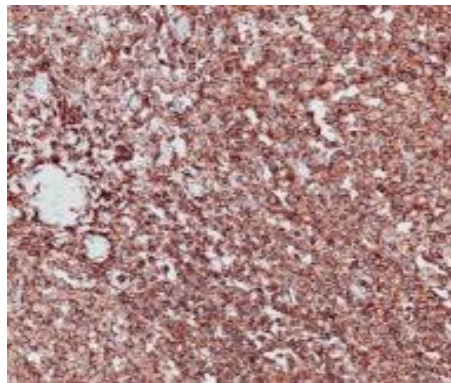
Storage:

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 CD45 in tonsil tissue (formalin-fixed, paraffin-embedded sections) labeled with HKZ150191. Tris-EDTA buffer (pH 9.0) was used for antigen retrieval.

Source of Reagents:

1. Dahlke MH et al. Leuk Lymphoma. 2004 Feb;45(2):229-36.
2. Gaertner EM et al. Am J Clin Pathol. 2001 Apr;115(4):589-97.

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发表[中文论文]请标注:CD45 (HKZ150191) 由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:CD45 (HKZ150191) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

