

CD45 Recombinant antibody

Cat:B32062R

Company: Haokebio

Uniprot ID:P08575

Applications: IHC:1:100-1:200

Organism:Rabbit

IHC-Polymer:1:400-1:800

Species reactivity:Human

TSA:1:500-1:1000

Background:

CD45 is a single-chain transmembrane glycoprotein that includes at least four distinct isoforms. Each isoform shares the same intracellular domain, while their extracellular domains are rod-shaped and highly glycosylated. Three exons of a single gene located on chromosome 1q31-32 generate different protein isoforms through alternative mRNA splicing. CD45, also known as the leukocyte common antigen (LCA), is expressed on nearly all hematolymphoid cells (including lymphocytes, granulocytes, monocytes, and macrophages), immature reticular cells, and megakaryocytes. It is expressed in most hematolymphoid neoplasms, such as leukemias and malignant lymphomas; approximately 90% of malignant lymphomas test positive for CD45 (CD45+). CD45 is commonly used as the preferred diagnostic marker for hematopoietic-derived neoplasms to assess the differentiation status of hematolymphoid cells. Negative expression of the CD45 molecule in pre-B lymphocytic neoplasms is often associated with a poor prognosis.

Protein full name:

protein tyrosine phosphatase, receptor type, C

Synonyms:

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

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.

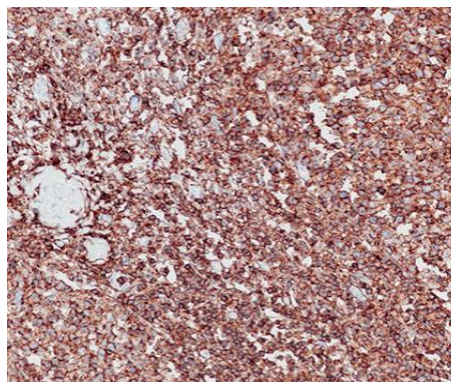
Storage:

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:

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