

CD45 (AB1507) mouse mAb

V0029

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- kDa (calculated)
- 200 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1507

Immunogen A synthetic peptide corresponding to the amino acid region 500 - 600 of the human CD45 protein.

Specificity The antibody can specifically recognize human CD45 protein, including CD45RA, CD45RB and CD45RO.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name PTPRC

Protein Name CD45

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P08575-3	5788

Background CD45, also known as leukocyte common antigen, is a specific marker of hematopoietic cells. CD45 consists of at least four isoforms produced by alternative messenger RNA splicing. The isoforms share a common large intracellular domain and the extracellular domains are rod shaped, heavily glycosylated. It is expressed in all T cells, B cells and NK cells except plasma cells, monocytes, granulocytes and macrophages, but not in erythrocytes, platelets and non hematopoietic systems. Therefore, it can be used as a good marker to distinguish lymphoma or leukemia from non hematopoietic tumors.