

CD2 (AB1454) mouse mAb

V0509

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 39 kDa (calculated)
- 50 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

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 AB1454

Immunogen A synthetic peptide corresponding to the amino acid region 1 - 100 of the human CD2 protein.

Specificity The antibody can specifically recognize human CD2 protein.

Purification Affinity purification Protein A

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

Target Information

Gene name CD2

Protein Name CD2

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P06729	914

Background CD2 is a 50-55 kDa transmembrane glycoprotein present on all peripheral T cells, lymphocytes and NK cells. The main function is to regulate activated T cells and mediate thymocyte thymic epithelial adhesion. CD2 expression may be abnormally absent in T-cell lymphoma, which is helpful to distinguish reactive T-cell proliferation. It is mainly used for the diagnosis and differentiation of tumors derived from T cells and NK cells.