

CD2 (AB1454) mouse mAb

W0275

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

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

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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.
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