

CD2 (ABT529) Mouse mAb

CatalogNo: YM4481

Recombinant KD/KO Validated 

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- IHC, WB, IF, ELISA

MW

- 39kD (Calculated)
- 50kD (Observed)

Isotype

- IgG2b, Kappa

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:500-2000

IF 1:100-500

ELISA 1:1000-5000

Basic Information

Clonality

Monoclonal

Clone Number

ABT529

Immunogen Information

Immunogen

Synthesized peptide derived from human CD2 AA range: 1-100

Specificity

The antibody can specifically recognize human CD2 protein.

Target Information

Gene name	CD2 SRBC
Protein Name	CD 2;CD2;CD2 antigen (p50), sheep red blood cell receptor;CD2 antigen;CD2 molecule;CD2_HUMAN;Erythrocyte receptor;FLJ46032;LFA-2;LFA-3 receptor;LFA2;LFA3 receptor;Ly-37;Lymphocyte function antigen 2;lymphocyte-function antigen-2;OTTHUMP00000024366;Rosette receptor;Sheep erythrocyte receptor;SRBC;T cell surface antigen CD2;T-cell surface antigen CD2;T-cell surface antigen T11/Leu-5;T-lymphocyte surface CD2 antigen;T11

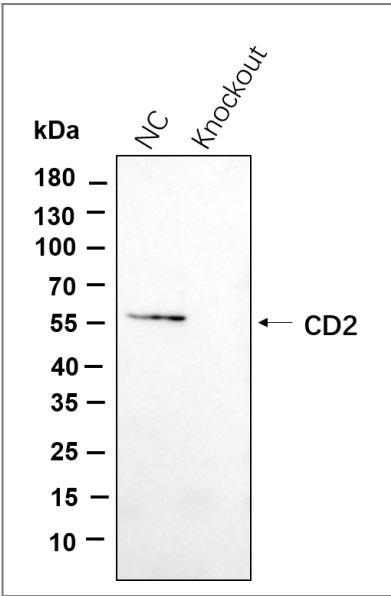
Organism	Gene ID	UniProt ID
Human	914 ;	P06729 ;

Cellular Localization Membranous

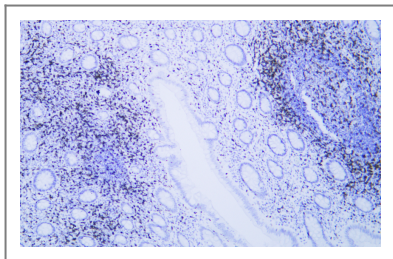
Tissue specificity Tonsil

Function:CD2 interacts with lymphocyte function-associated antigen (LFA-3) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function.,online information:CD2 entry,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:Interacts with CD2AP (By similarity). Interacts with PSTPIP1.,

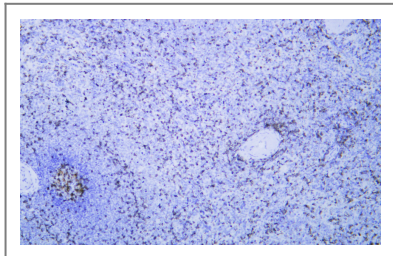
Validation Data



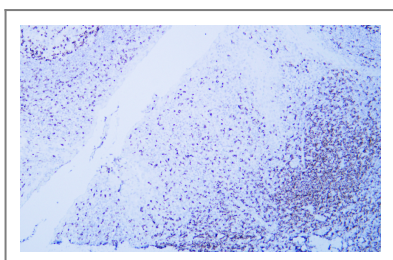
Western blot analysis of lysates from Jurkat WT and shRNA treated



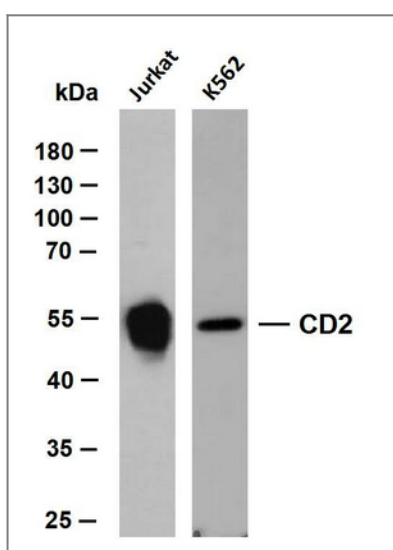
Human appendix tissue was stained with anti-CD2(ABT529) antibody.



Human spleen tissue was stained with anti-CD2(ABT529) antibody.



Human tonsil tissue was stained with anti-CD2(ABT529) antibody.



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CD2(ABT529)antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: Jurkat
Lane 2: K562

Contact information

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Please scan the QR code
to access additional
product information:
CD2 (ABT529)
Mouse mAb

