888.267.4436
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Name:CD2 mouse monoclonal antibody,clone 3E11

Product Data Sheet - TRUEMAB

Catalog: TA800673

Components:
- CD2 mouse monoclonal antibody,clone 3E11 (TA800673)
- 1 vial of 20ug myc-DDK tagged CD2 HEK293T over-expression lysate lyophilized in RIPA buffer (LC400671). (Reconsitute into 20ul of 1x SDS sample buffer before loading; load 5ul per lane as WB control or as desired)

Amount: 100ul

Immunogen: Full length human recombinant protein of human CD2 (NP_001758) produced in HEK293T cell.

Host: Mouse

Isotype: IgG1

Species Reactivity: Human

Guaranteed Applications: WB, IHC

Suggested Dilutions: WB 1:4000, IHC 1:150,

Concentration: 1.00 mg/ml

Buffer: PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Purification: Purified from mouse ascites fluids by affinity chromatography

Storage Condition: Shipped at -20C. Upon delivery store at -20C. Dilute in PBS (pH7.3) if necessary.
Stable for 12 months from date of receipt.
Avoid repeated freeze-thaws.

Target

Target Name: Homo sapiens CD2 molecule (CD2)

Alternative Name: LFA-2; SRBC; T11

Database Link: NP_001758

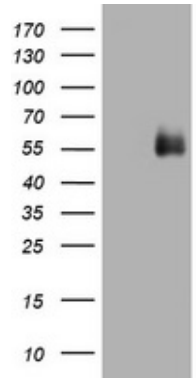
Function: CD2 is a surface antigen of the human T-lymphocyte lineage that is expressed on all peripheral blood T cells (summarized by Sewell et al., 1986 [PubMed 3490670]). It is one of the earliest T-cell markers, being present on more than 95% of thymocytes; it is also found on some natural killer cells but not on B lymphocytes. Monoclonal antibodies directed against CD2 inhibit the formation of rosettes with sheep erythrocytes, indicating that CD2 is the erythrocyte receptor or is closely associated with it.[supplied by

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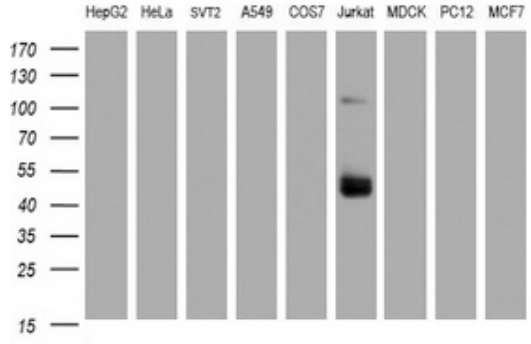
OMIM, Jul 2010].

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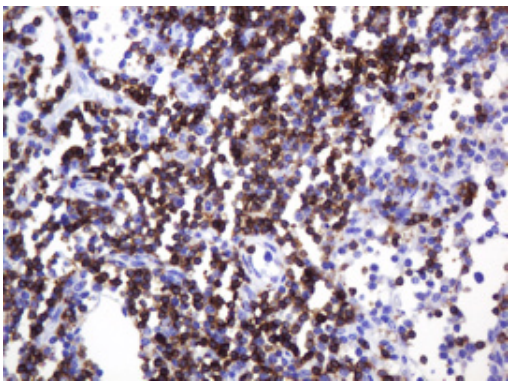
Validation Data



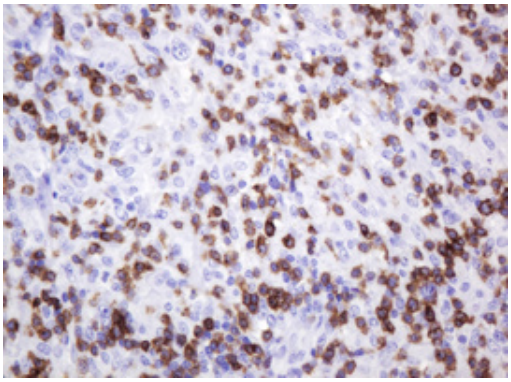
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD2 (RC206612, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD2.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-CD2 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



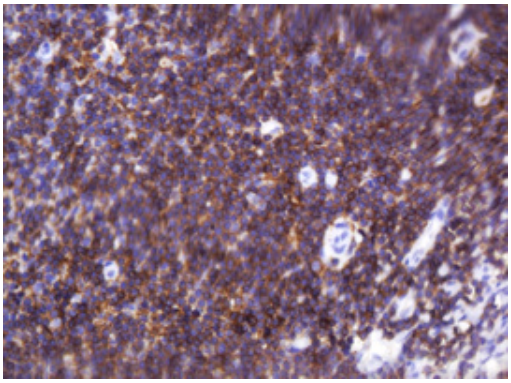
Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-CD2 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA800673)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-CD2 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA800673)

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Immunohistochemical staining of paraffin-embedded Human tonsil using anti-CD2 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA800673)

* More validation images may be available on our website: http://www.origene.com/antibody/TA800673.aspx

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