

# Product Datasheet

## CD2 Antibody (YTH 655) - Chimeric - Azide and BSA Free NBP2-81041-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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Updated 7/28/2024 v.20.1

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**NBP2-81041-0.2mg**

CD2 Antibody (YTH 655) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	YTH 655
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	914
Gene Symbol	CD2
Species	Human
Specificity/Sensitivity	This antibody specifically recognizes human CD2, a cell adhesion molecule found on the surface of T cells and natural killer (NK) cells.
Immunogen	CD2

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Cell depletion
Recommended Dilutions	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Cell depletion
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.

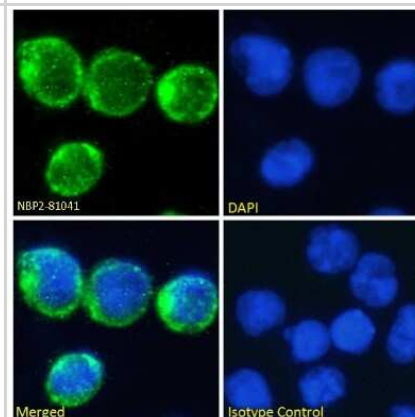


## Images

**Western Blot: CD2 Antibody (YTH 655) - Chimeric [NBP2-81041] -**  
 Western Blot using anti-CD2 antibody (YTH 655) [NBP2-81041]. Human tonsil lysate samples (35ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of YTH 655 [NBP2-81041] at 1 ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected running size for unmodified CD2 is 39.5kDa, but this protein is glycosylated at several residues. NBP2-81041 successfully detected CD2 in human tonsil lysate.



**Immunocytochemistry/Immunofluorescence: CD2 Antibody (YTH 655) - Chimeric [NBP2-81041] -** Immunofluorescence staining of fixed Molt4 cells with anti-CD2 antibody YTH 655 [NBP2-81041]. Immunofluorescence analysis of paraformaldehyde fixed Molt4 cells on Shi-fix coverslips, permeabilized with 0.15% Triton and stained with the chimeric rabbit IgG version of YTH 655 [NBP2-81041] at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/ml), showing membrane, and some cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP2-81041, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.





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### **Products Related to NBP2-81041-0.2mg**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-22745	Recombinant Human CD2 His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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