

# Product Datasheet

## CD53 Antibody (HD77) - Chimeric - Azide and BSA Free NBP3-12059-0.2mg

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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**NBP3-12059-0.2mg**

CD53 Antibody (HD77) - 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	HD77
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit CD53 Antibody (HD77) - Chimeric - Azide and BSA Free (NBP3-12059) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	963
Gene Symbol	CD53
Species	Human
Specificity/Sensitivity	This antibody is specific for the extracytoplasmic part of human CD53, a pan-leukocyte antigen.
Immunogen	This antibody was raised by immunising mice with human leukemia cells.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

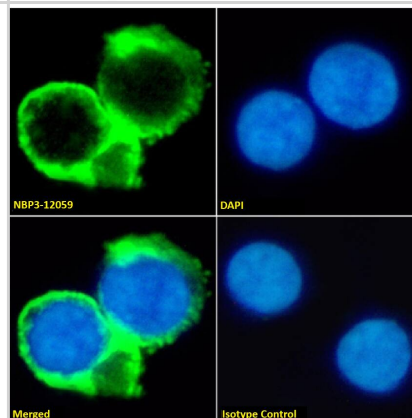


## Images

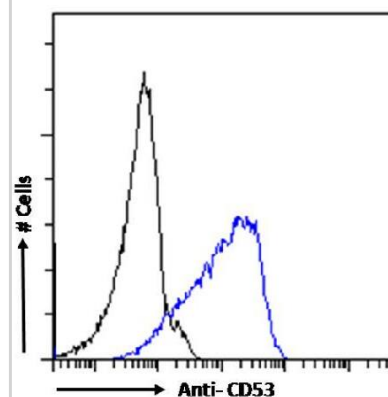
**Western Blot: CD53 Antibody (HD77) - Chimeric [NBP3-12059] - Human lymph node (A), human thymus (B) and human spleen (C) tissue lysates (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of HD77 (NBP3-12059) at 0.1 ug/ml, 0.3 ug/ml and 0.5 ug/ml, respectively, before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.**



**Immunocytochemistry /Immunofluorescence: CD53 Antibody (HD77) - Chimeric - Azide and BSA Free [NBP3-12059] - Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix(TM) coverslips stained with NBP3-12059 at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-12059, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor(R) 488 secondary antibody.**



**Flow Cytometry: CD53 Antibody (HD77) - Chimeric - Azide and BSA Free [NBP3-12059] - Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody (isotype control, black line) or NBP3-12059 (blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.**





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### **Products Related to NBP3-12059-0.2mg**

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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]
NBP2-14464PEP	CD53 Recombinant Protein Antigen

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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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