

# Product Datasheet

## CD38 Antibody (HB7) - Chimeric - Azide and BSA Free NBP2-52647-0.2mg

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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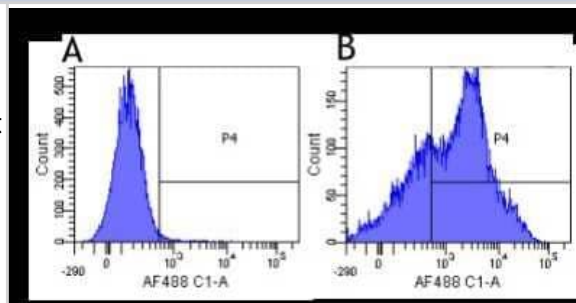
**NBP2-52647-0.2mg**

CD38 Antibody (HB7) - 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	HB7
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Rabbit CD38 Antibody (HB7) - Chimeric - Azide and BSA Free (NBP2-52647) is a recombinant monoclonal antibody validated for use in WB and Flow. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	952
Gene Symbol	CD38
Species	Human
Specificity/Sensitivity	This antibody binds to an epitope between amino acids 273-285 of human CD38, an approximately 45 kDa type II transmembrane protein, expressed on essentially all pre-B lymphocytes, plasma cells, and thymocytes. Also present on activated T lymphocytes, natural killer (NK) lymphocytes, myeloblasts, and erythroblasts. Bimodally expressed during B cell development, modulating from high in immature cells to low in intermediate ones and back to high on mature B cells. This antibody competes with clone AT13/5 (Ab00289) (Ellis 1995).
Immunogen	This CD38 Antibody (HB7) - Chimeric was developed against viable cells ( $1 \times 10^7$ ) of the human cell line, BJAB (Human Burkitt lymphoma B cell line), which were injected intraperitoneally into 8-week-old BALB/c mice.
Product Application Details	
Applications	Western Blot, Flow Cytometry, CyTOF-ready
Recommended Dilutions	Western Blot 1:100 - 1:2000, Flow Cytometry 1:10 - 1:1000, CyTOF-ready
Application Notes	This antibody is CyTOF-ready. This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG1 format, for improved compatibility with existing reagents, assays and techniques.

## Images

Flow Cytometry: CD38 Antibody (HB7) - Chimeric [NBP2-52647] - CD38 Antibody (HB7) [NBP2-52647] - Flow Cytometry using anti-CD38 antibody HB7. Human lymphocytes were stained with an isotype control (panel A) or the rabbit-chimeric version of HB7 (NBP2-52647, panel B) at a concentration of 1  $\mu\text{g}/\text{mL}$  for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow cytometer.





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### **Products Related to NBP2-52647-0.2mg**

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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]
NBP2-52339-0.05mg	Recombinant Human CD38 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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