

# Product Datasheet

## CD38 Antibody (HB7) [PE/Atto594] - Chimeric NBP2-52647PEATT594

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP2-52647PEATT594**

CD38 Antibody (HB7) [PE/Atto594] - Chimeric

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark. Do not freeze.
Clonality	Monoclonal
Clone	HB7
Preservative	0.05% Sodium Azide
Isotype	IgG Kappa
Conjugate	PE/Atto594
Purity	Protein A purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	952
Gene Symbol	CD38
Species	Human
Reactivity Notes	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 was were injected intraperitoneally into 8-week-old BALB/c mice.

Product Application Details	
Applications	Flow Cytometry
Recommended Dilutions	Flow Cytometry
Application Notes	Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> if you have any questions.





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### **Products Related to NBP2-52647PEATT594**

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NBP2-52339-0.05mg	Recombinant Human CD38 His Protein
210-TA-005	TNF-alpha [Unconjugated]
2404-AC-010	CD38 [Unconjugated]
M6000B-1	IL-6 [HRP]

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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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