

# Product Datasheet

## CD38 Antibody (HB7) [Alexa Fluor® 700] - Chimeric NBP2-52647AF700

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-52647AF700**

CD38 Antibody (HB7) [Alexa Fluor® 700] - Chimeric

| <b>Product Information</b>     |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 0.1 ml   |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                 | Store at 4C in the dark.   |
| <b>Clonality</b>               | Monoclonal   |
| <b>Clone</b>                   | HB7  |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG Kappa  |
| <b>Conjugate</b>               | Alexa Fluor 700  |
| <b>Purity</b>                  | Protein A purified   |
| <b>Buffer</b>                  | 50mM Sodium Borate   |
| <b>Product Description</b>     |  |
| <b>Host</b>                    | Rabbit   |
| <b>Gene ID</b>                 | 952  |
| <b>Gene Symbol</b>             | CD38   |
| <b>Species</b>                 | Human  |
| <b>Reactivity Notes</b>        | Human  |
| <b>Specificity/Sensitivity</b> | 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). |
| <b>Immunogen</b>               | 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.   |



**Notes**

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**Product Application Details****Applications**

Western Blot, Flow Cytometry, CyTOF-ready

**Recommended Dilutions**

Western Blot, Flow Cytometry, CyTOF-ready

**Application Notes**

Optimal dilution of this antibody should be experimentally determined.

**Images**

CD38 Antibody (HB7) [Alexa Fluor® 700] - Chimeric [NBP2-52647AF700] - Vial of Alexa Fluor 700 conjugated antibody. Alexa Fluor 700 is optimally excited at 696 nm by the Red laser (633 or 640 nm) and has an emission maximum of 720 nm.



AlexaFluor® 700

| LASER (nm)          | FILTER            |
|---------------------|-------------------|
| Red (633,640)       | 730/45            |
| EXCITATION MAX (nm) | EMISSION MAX (nm) |
| 696                 | 720               |



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### **Products Related to NBP2-52647AF700**

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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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