

# Product Datasheet

## CD38 Antibody (1G7F4) - Azide and BSA Free NBP2-80645

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-80645**

CD38 Antibody (1G7F4) - Azide and BSA Free

| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.1 mg   |
| Concentration           | 1 mg/ml  |
| Storage                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal   |
| Clone                   | 1G7F4  |
| Preservative            | No Preservative  |
| Isotype                 | IgG2b Lambda   |
| Purity                  | Protein G purified   |
| Buffer                  | PBS  |
| Target Molecular Weight | 34.4 kDa   |

| Product Description |   |
|---------------------|---|
| Host                | Mouse   |
| Gene ID             | 952   |
| Gene Symbol         | CD38  |
| Species             | Human, Mouse  |
| Immunogen           | This CD38 Antibody (1G7F4) - Azide and BSA Free was developed against amino acids 71-197 of mouse CD38. |

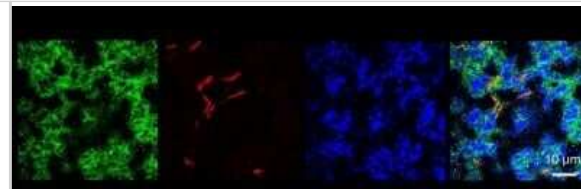
| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Western Blot 3 - 5 ug/mL, Simple Western 1:50, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin 5 ug/mL, Immunohistochemistry-Frozen 1:200 |
| Application Notes           | In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size.   |

**Images**

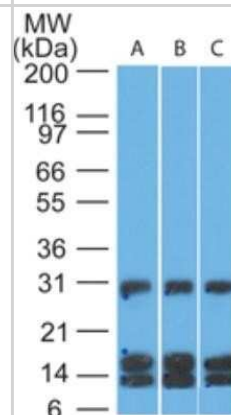
Simple Western: CD38 Antibody (1G7F4) - Azide and BSA Free [NBP2-80645] - Analysis using Azide Free version of NBP2-25250. Lane view shows a specific band for CD38 in 0.2 mg/mL of Jurkat lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



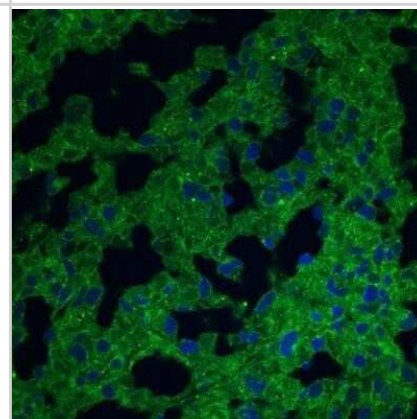
Immunohistochemistry: CD38 Antibody (1G7F4) - Azide and BSA Free [NBP2-80645] - B cell lymphoma tumor sections (Ramos). Antibody Dilution 1:200. Image using the standard format of this product. IHC image submitted by a verified customer review.



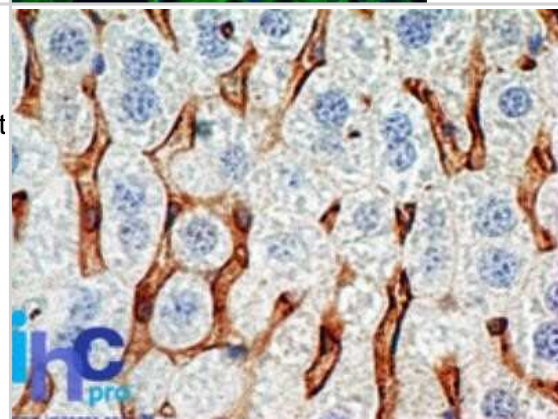
Western Blot: CD38 Antibody (1G7F4) - Azide and BSA Free [NBP2-80645] - Analysis of (A) Human Jurkat, (B) Human Ramos and (C) Mouse EL4 lysate using this antibody at 4 ug/mL. Image using the standard format of this product.



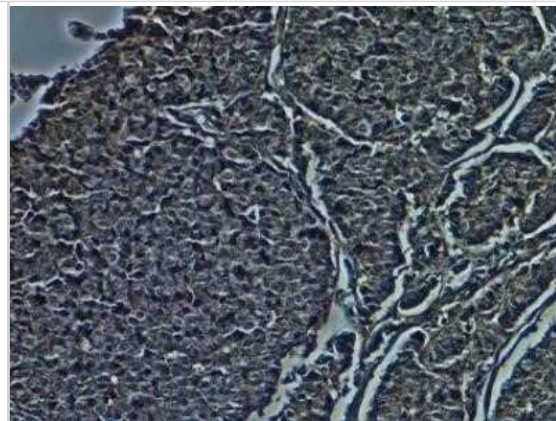
Immunocytochemistry/Immunofluorescence: CD38 Antibody (1G7F4) - Azide and BSA Free [NBP2-80645] - HuH-7 cells (human liver cancer cell line) stained with Alexa Fluor 647 conjugated CD38 antibody. Image using the Alexa Fluor 647 format of this antibody. ICC/IF image submitted by a verified customer review.



Immunohistochemistry: CD38 Antibody (1G7F4) - Azide and BSA Free [NBP2-80645] - Mouse liver stained with this antibody (5 ug/mL), peroxidase-conjugate and DAB chromogen. Note membrane staining of Kupffer cells (macrophages of the liver). Image using the standard format of this product.



Immunohistochemistry-Frozen: CD38 Antibody (1G7F4) - Azide and BSA Free [NBP2-80645] - Human lung cancer frozen tissue stained with HRP conjugated CD38 antibody (Catalog # NBP2-25265H). IHC-Fr image submitted by a verified customer review.





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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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