

# Product Datasheet

## CD38 Antibody (1G7F4) - BSA Free NBP2-25250

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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**NBP2-25250**

CD38 Antibody (1G7F4) - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1G7F4
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2b Lambda
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS

**Product Description**

<b>Host</b>	Mouse
<b>Gene ID</b>	952
<b>Gene Symbol</b>	CD38
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	This CD38 Antibody (1G7F4) was developed against amino acids 71-197 of mouse CD38.

**Product Application Details**

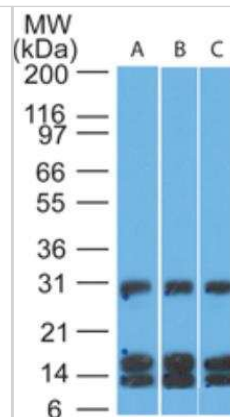
<b>Applications</b>	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 3 - 5 ug/mL, Simple Western 1:50, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/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

**Images**

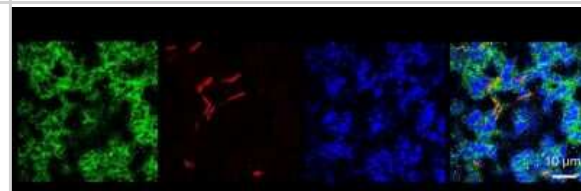
Simple Western: CD38 Antibody (1G7F4) [NBP2-25250] - Analysis using Azide Free version of NBP2-25250. Lane view shows a specific band for CD38 in 0.2 mg/mL of Jurkat lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



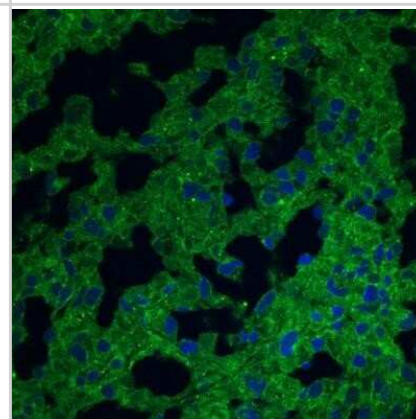
Western Blot: CD38 Antibody (1G7F4) [NBP2-25250] - Analysis of (A) Human Jurkat, (B) Human Ramos and (C) Mouse EL4 lysate using this antibody at 4 ug/mL.



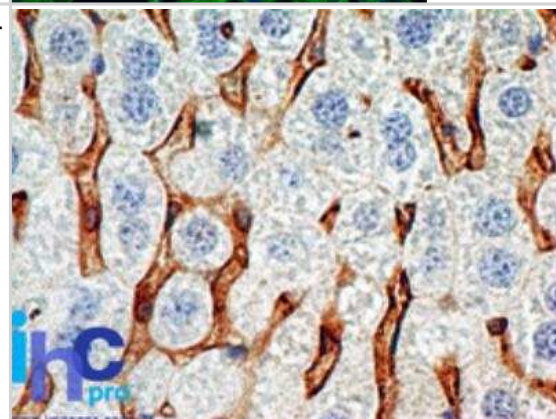
Immunohistochemistry-Frozen: CD38 Antibody (1G7F4) [NBP2-25250] - B cell lymphoma tumor sections (Ramos). Antibody Dilution 1:200. IHC-Fr image submitted by a verified customer review.



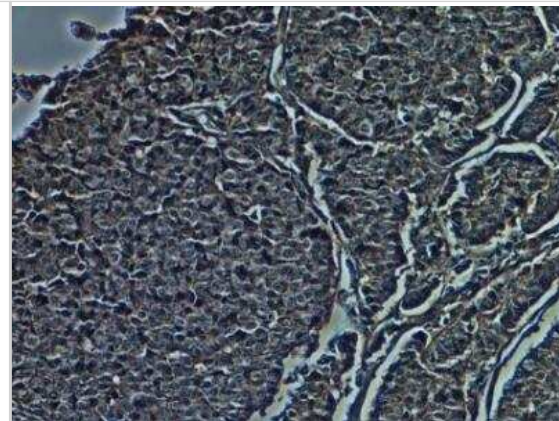
Immunocytochemistry/Immunofluorescence: CD38 Antibody (1G7F4) [NBP2-25250] - HuH-7 cells (human liver cancer cell line) stained with Alexa Fluor 647 conjugated CD38 antibody. Image using the Alexa Fluor 647 format of this antibody. ICC/IF image submitted by a verified customer review.



Immunohistochemistry-Paraffin: CD38 Antibody (1G7F4) [NBP2-25250] - Mouse liver stained with this antibody (5 ug/mL), peroxidase-conjugate and DAB chromogen. Note membrane staining of Kupffer cells (macrophages of the liver).



Immunohistochemistry-Frozen: CD38 Antibody (1G7F4) [NBP2-25250] - Human lung cancer frozen tissue stained with HRP conjugated CD38 antibody (Catalog # NBP2-25265H). IHC-Fr image submitted by a verified customer review.



## Publications

Norwood I, Szondi D, Ciocca M et al. Transcriptomic and bioinformatic analysis of Clcn7-dependent Autosomal Dominant Osteopetrosis Type 2 Preclinical and clinical implications Bone 2020-12-21 [PMID: 33359007] (WB, Mouse)

Kang Lei, Jiang Dawei, England Christopher G et al. ImmunoPET imaging of CD38 in murine lymphoma models using <sup>89</sup>Zr-labeled daratumumab. European Journal of Nuclear Medicine and Molecular Imaging 2018-02-15 [PMID: 29450576] (ICC/IF, WB, Mouse)

Dang T, Liou GY. Macrophage Cytokines Enhance Cell Proliferation of Normal Prostate Epithelial Cells through Activation of ERK and Akt Sci Rep 2018-05-16 [PMID: 29769604] (ICC/IF)

Ma J, Gong W, Liu S et al. Ibrutinib targets microRNA-21 in multiple myeloma cells by inhibiting NF-κB and STAT3 Tumour Biol. 2018-01-01 [PMID: 29320977] (Human)



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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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