

# Product Datasheet

## CD38 Antibody (CL15572) - Azide and BSA Free NBP3-44170

Unit Size: 100 ug

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

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**NBP3-44170**

CD38 Antibody (CL15572) - Azide and BSA Free

**Product Information**

|                                    |                                                                                                                                                                                |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                   | 100 ug                                                                                                                                                                         |
| <b>Concentration</b>               | LYOPH 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>                       | CL15572                                                                                                                                                                        |
| <b>Preservative</b>                | No Preservative                                                                                                                                                                |
| <b>Reconstitution Instructions</b> | Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml. |
| <b>Isotype</b>                     | IgG1                                                                                                                                                                           |
| <b>Purity</b>                      | Protein A purified                                                                                                                                                             |
| <b>Buffer</b>                      | Lyophilized from a 0.2 um filtered solution in PBS with Trehalose                                                                                                              |

**Product Description**

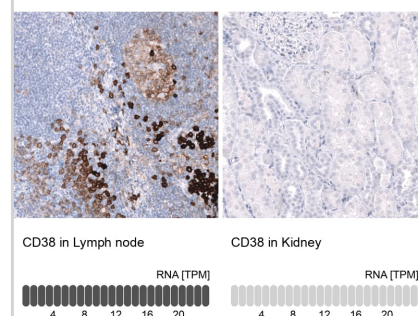
|                    |                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>        | Mouse                                                                                                                                |
| <b>Gene ID</b>     | 952                                                                                                                                  |
| <b>Gene Symbol</b> | CD38                                                                                                                                 |
| <b>Species</b>     | Human                                                                                                                                |
| <b>Immunogen</b>   | This antibody was generated using a recombinant protein sequence of P28907, with the exact immunogen sequence remaining proprietary. |

**Product Application Details**

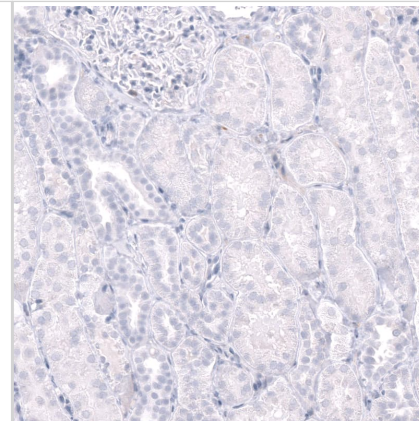
|                              |                                                                     |
|------------------------------|---------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin                         |
| <b>Recommended Dilutions</b> | Western Blot 1 ug/ml, Immunohistochemistry-Paraffin 1:2500 - 1:5000 |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended.               |

**Images**

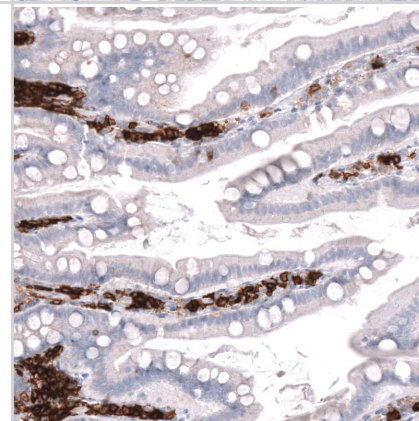
Analysis in human lymph node and kidney tissues using NBP3-44170 antibody. Corresponding CD38 RNA-seq data are presented for the same tissues.



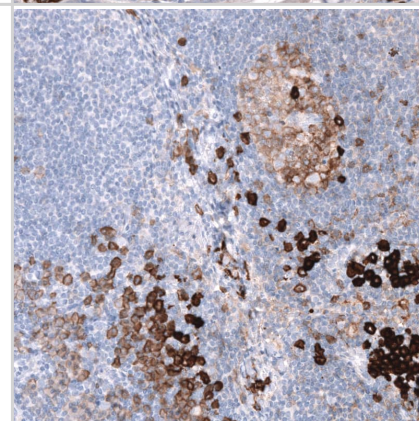
Staining of human kidney shows no positivity in cells in tubules as expected.



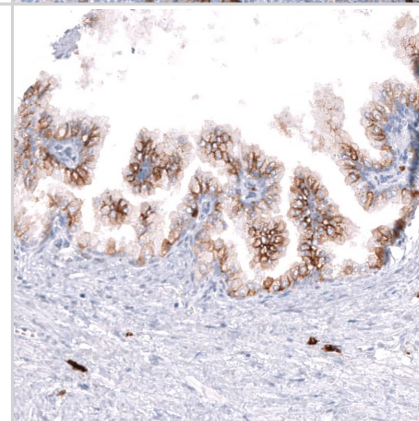
Staining of human duodenum shows strong membranous positivity in lymphoid cells.



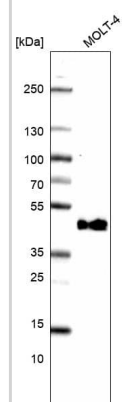
Staining of human lymph node shows strong membranous positivity in non-germinal center cells and moderate membranous positivity in germinal center cells.



Staining of human prostate shows strong membranous positivity in glandular cells.



Analysis in human cell line MOLT-4.





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### **Products Related to NBP3-44170**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| NBP2-33376H      | Blue Marker Antibody (6F4-F6) [HRP]                     |
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1)                        |

### **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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