

# Product Datasheet

## CD81 Antibody (1.3.3.22) - Chimeric - Azide and BSA Free **NBP3-12080-0.2mg**

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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**NBP3-12080-0.2mg**

CD81 Antibody (1.3.3.22) - Chimeric - Azide and BSA Free

**Product Information**

|                      |  |
|----------------------|--|
| <b>Unit Size</b>     | 0.2 mg   |
| <b>Concentration</b> | 1 mg/ml  |
| <b>Storage</b>       | Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C. |
| <b>Clonality</b>     | Monoclonal   |
| <b>Clone</b>         | 1.3.3.22   |
| <b>Preservative</b>  | 0.02% Proclin 300  |
| <b>Isotype</b>       | IgG Kappa  |
| <b>Purity</b>        | Protein A purified   |
| <b>Buffer</b>        | PBS  |

**Product Description**

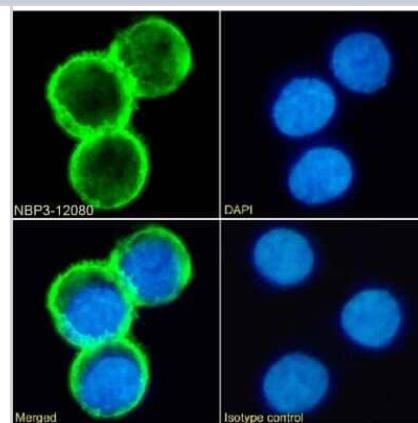
|                                |  |
|--------------------------------|--|
| <b>Host</b>                    | Rabbit   |
| <b>Gene ID</b>                 | 975  |
| <b>Gene Symbol</b>             | CD81   |
| <b>Species</b>                 | Human, Mouse, Rat  |
| <b>Specificity/Sensitivity</b> | 1.3.3.22 antibody recognizes CD81. Human CD81 is a member of the tetraspanin family of leukocyte cell surface molecules which are involved in signal transduction, cell-cell adhesion and cellular activation. CD81 also acts as a receptor for the envelope protein E2 of chronic hepatitis C virus. It is present on a wide variety of leukocytes. |
| <b>Immunogen</b>               | This antibody was raised by immunizing mice with a B-Cell line derived from a Burkitt lymphoma.  |

**Product Application Details**

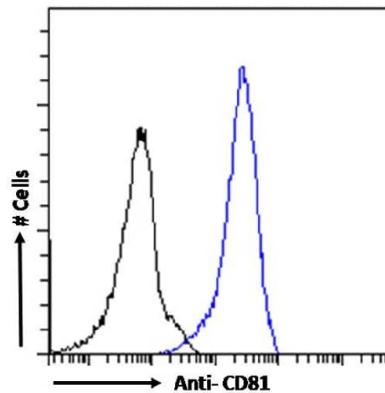
|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry   |
| <b>Recommended Dilutions</b> | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence   |
| <b>Application Notes</b>     | This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques. |

## Images

Immunocytochemistry/Immunofluorescence: CD81 Antibody (1.3.3.22) - Chimeric [NBP3-12080] - Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix(TM) coverslips stained with the chimeric rabbit IgG version of 1.3.3.22 (NBP3-12080) at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-12080, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor(R) 488 secondary antibody.



Flow Cytometry: CD81 Antibody (1.3.3.22) - Chimeric - Azide and BSA Free [NBP3-12080] - Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody (isotype control, black line) or NBP3-12080 (blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.





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## Products Related to NBP3-12080-0.2mg

|                 |   |
|-----------------|---|
| HAF008          | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160          | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-60215-50ug | Recombinant Human CD81 hIgG-His Protein             |
| 7268-CT-100     | CTLA-4 [Unconjugated]                               |

## 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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