

# Product Datasheet

## Myeloid Cell Marker Antibody (BM-2) - Azide and BSA Free NBP3-14086

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP3-14086**

Myeloid Cell Marker Antibody (BM-2) - Azide and BSA Free

| <b>Product Information</b>     |                                                 |
|--------------------------------|-------------------------------------------------|
| <b>Unit Size</b>               | 100 ug                                          |
| <b>Concentration</b>           | 1 mg/ml                                         |
| <b>Storage</b>                 | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| <b>Clonality</b>               | Monoclonal                                      |
| <b>Clone</b>                   | BM-2                                            |
| <b>Preservative</b>            | No Preservative                                 |
| <b>Isotype</b>                 | IgG1 Kappa                                      |
| <b>Purity</b>                  | Protein A or G purified                         |
| <b>Buffer</b>                  | 10mM PBS                                        |
| <b>Target Molecular Weight</b> | 183 kDa                                         |

| <b>Product Description</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>             | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-13903).<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Marker</b>                  | Macrophage / Granulocyte Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Specificity/Sensitivity</b> | Recognizes 183kDa protein with DNA-binding characteristics, which is identified as a myeloid specific antigen. It reacts with myeloid precursor cells and granulocytes in bone marrow. Its antigen appears to be restricted to M2 and M3 acute myelogenous leukemia (AML) subtypes. Markers of myeloid cells are useful in the identification of different levels of cellular differentiation. This monoclonal antibody reacts with early precursor and mature forms of human myeloid cells. It is useful in the identification of myelogenous leukemias, distinguishing granulocytic sarcomas from lymphoid malignancies and also in the study of differentiation and transformation of human myeloid cells. The biological function of this antigen is not clear, although it has been proposed that it may play a role in the differentiation of myeloid cells. |
| <b>Immunogen</b>               | Nuclei from pokeweed mitogen stimulated human peripheral blood lymphocytes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| <b>Product Application Details</b> |                                                                                                                                                                                                                                          |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin                                                                                                                                                   |
| <b>Recommended Dilutions</b>       | Flow Cytometry 1-2 ug/million cells, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml                                                                                                          |
| <b>Application Notes</b>           | Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes |





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### **Products Related to NBP3-14086**

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|                  |                                                         |
|------------------|---------------------------------------------------------|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |

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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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