

# Product Datasheet

## CD44 Antibody (9A4) - variant 6 - BSA Free NB100-64818

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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**NB100-64818**

CD44 Antibody (9A4) - variant 6 - BSA Free

| Product Information |  |
|---------------------|--|
| Unit Size           | 0.1 mg   |
| Concentration       | 0.5 mg/ml  |
| Storage             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality           | Monoclonal   |
| Clone               | 9A4  |
| Preservative        | <0.1% Sodium Azide   |
| Isotype             | IgG1   |
| Purity              | Protein A or G purified  |
| Buffer              | PBS  |

| Product Description     |   |
|-------------------------|---|
| Host                    | Rat   |
| Gene ID                 | 960   |
| Gene Symbol             | CD44  |
| Species                 | Mouse   |
| Marker                  | Cell membrane Marker  |
| Specificity/Sensitivity | Recognizes an epitope encoded by exon v6 on the variant portion of murine CD44. |
| Immunogen               | GST-CD44v6 fusion protein   |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Western Blot 1:100-1:2000, Flow Cytometry, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500  |
| Application Notes           | For IHC-P: This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose. Use in FLOW reported in scientific literature (PMID: 30504836). |

**Publications**

Choi SH, Kim AR, Nam JK, et al. Tumour-vasculature development via endothelial-to-mesenchymal transition after radiotherapy controls CD44v6+ cancer cell and macrophage polarization. Nat Commun. 2018-11-30 [PMID: 30504836] (IF/IHC, FLOW, WB, Mouse)





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### **Products Related to NB100-64818**

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|---------------|--|
| HAF005        | Goat anti-Rat IgG Secondary Antibody [HRP]           |
| F0105B        | Goat anti-Rat IgG Secondary Antibody [Phycoerythrin] |
| DDXCR01       | Rat IgG1 Isotype Control                             |
| NBP1-84578PEP | CD44 Recombinant Protein Antigen                     |

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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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