

# Product Datasheet

## Carbonic Anhydrase IX/CA9 Antibody (SPM314) [DyLight 755]

**NBP2-34408IR**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34408IR**

Carbonic Anhydrase IX/CA9 Antibody (SPM314) [DyLight 755]

| <b>Product Information</b>         |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 0.1 ml   |
| <b>Concentration</b>               | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                     | Store at 4C in the dark.   |
| <b>Clonality</b>                   | Monoclonal   |
| <b>Clone</b>                       | SPM314   |
| <b>Preservative</b>                | 0.05% Sodium Azide   |
| <b>Isotype</b>                     | IgG2b Kappa  |
| <b>Conjugate</b>                   | DyLight 755  |
| <b>Purity</b>                      | Protein A or G purified  |
| <b>Buffer</b>                      | 50mM Sodium Borate   |
| <b>Product Description</b>         |  |
| <b>Description</b>                 | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  |
| <b>Host</b>                        | Mouse  |
| <b>Gene ID</b>                     | 768  |
| <b>Gene Symbol</b>                 | CA9  |
| <b>Species</b>                     | Human, Equine  |
| <b>Marker</b>                      | Renal Cell Marker  |
| <b>Specificity/Sensitivity</b>     | Recognizes a glycoprotein of ~200kDa, identified as carbonic anhydrase IX (CAIX/gp200). Its epitope resides in the carbohydrate domain of gp200. It shows no significant cross-reactivity with other carbohydrate determinants, such as the Lewis blood group antigens, epithelial membrane antigen, HMFG, and AB blood group antigens. In normal kidney, gp200 is localized along the brush border of the pars convoluta and pars recta segments of the proximal tubule, as well as focally along the luminal surface of Bowmans capsule adjoining the outgoing proximal tubule. Reportedly, gp200 is expressed by 93% of primary and 84% of metastatic renal cell carcinomas. This monoclonal antibody may be useful in the investigations of carcinomas of proximal nephrogenic differentiation especially those showing tubular differentiation. |
| <b>Immunogen</b>                   | Microsomal fraction of human renal cortical tissue homogenate  |
| <b>Notes</b>                       | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.  |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  |
| <b>Recommended Dilutions</b>       | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready  |





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### **Products Related to NBP2-34408IR**

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|              |  |
|--------------|--|
| NBP1-43317IR | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [DyLight 755] |
| NB100-417PEP | Carbonic Anhydrase IX/CA9 Antibody Blocking Peptide                |
| 210-TA-005   | TNF-alpha [Unconjugated]   |
| DCA900       | Carbonic Anhydrase IX/CA9 [HRP]                                    |

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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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