

# Product Datasheet

## Carbonic Anhydrase IX/CA9 Antibody (66.4.C2 (PN-15)) [Alexa Fluor™ Plus 555] NBP2-33152AFP555

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-33152AFP555**

Carbonic Anhydrase IX/CA9 Antibody (66.4.C2 (PN-15)) [Alexa Fluor™ Plus 555]

| <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>                       | 66.4.C2 (PN-15)  |
| <b>Preservative</b>                | 0.05% Sodium Azide   |
| <b>Isotype</b>                     | IgG2b Kappa  |
| <b>Conjugate</b>                   | Alexa Fluor Plus 555   |
| <b>Purity</b>                      | Protein A or G purified  |
| <b>Buffer</b>                      | 50mM Sodium Borate   |
| <b>Product Description</b>         |  |
| <b>Host</b>                        | Mouse  |
| <b>Gene ID</b>                     | 768  |
| <b>Gene Symbol</b>                 | CA9  |
| <b>Species</b>                     | Human, Equine  |
| <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>                       | This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a> . 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>Product Application Details</b> |  |
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence   |

|                              |  |
|------------------------------|--|
| <b>Recommended Dilutions</b> | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.                               |





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### **Products Related to NBP2-33152AFP555**

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|              |   |
|--------------|---|
| NB100-417PEP | Carbonic Anhydrase IX/CA9 Antibody Blocking Peptide |
| 210-TA-005   | TNF-alpha [Unconjugated]                            |
| DCA900       | Carbonic Anhydrase IX/CA9 [HRP]                     |
| NB100-105    | HIF-1 alpha Antibody (H1alpha67)                    |

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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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