

# Product Datasheet

## Isocitrate Dehydrogenase 1/IDH1 Antibody (IDH1.R132H/7277R) [mFluor Violet 450 SE] NBP3-20986MFV450

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-20986MFV450**

Isocitrate Dehydrogenase 1/IDH1 Antibody (IDH1.R132H/7277R) [mFluor Violet 450 SE]

| Product Information         |                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.1 ml                                                                                                                                                                                                                                                                                                                                                                                                   |
| Concentration               | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                              |
| Storage                     | Store at 4C in the dark.                                                                                                                                                                                                                                                                                                                                                                                 |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                               |
| Clone                       | IDH1.R132H/7277R                                                                                                                                                                                                                                                                                                                                                                                         |
| Preservative                | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                       |
| Isotype                     | IgG Kappa                                                                                                                                                                                                                                                                                                                                                                                                |
| Conjugate                   | mFluor Violet 450 SE                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity                      | Protein A or G purified                                                                                                                                                                                                                                                                                                                                                                                  |
| Buffer                      | 50mM Sodium Borate                                                                                                                                                                                                                                                                                                                                                                                       |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                          |
| Host                        | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene ID                     | 3417                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Symbol                 | IDH1                                                                                                                                                                                                                                                                                                                                                                                                     |
| Species                     | Human                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity/Sensitivity     | Isocitrate Dehydrogenase 1/IDH1 R132H antibody binds to Isocitrate Dehydrogenase 1/IDH1-mutated protein, but does not bind the wild-type Isocitrate Dehydrogenase 1/IDH1 protein Isocitrate Dehydrogenase 1/IDH1 R132H antibody shows strong cytoplasmic staining and weaker nuclear staining in tumor cells with the R132H-mutated peptide Diffuse staining of the fibrillary tumor matrix is also seen |
| Immunogen                   | Recombinant fragment of human Isocitrate Dehydrogenase 1/IDH1 (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                            |
| Notes                       | mFluor(TM) is a trademark of AAT Bioquest, Inc. 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.                                                                                                                                                                    |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                          |
| Applications                | Immunohistochemistry-Paraffin                                                                                                                                                                                                                                                                                                                                                                            |
| Recommended Dilutions       | Immunohistochemistry-Paraffin                                                                                                                                                                                                                                                                                                                                                                            |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                                                                                                                                                                                                                                                                                                                                   |



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**Products Related to NBP3-20986MFV450**

|               |                                                                |
|---------------|----------------------------------------------------------------|
| NBP2-52882PEP | Isocitrate Dehydrogenase 1/IDH1 Recombinant Protein Antigen    |
| NBP3-39635    | Human Isocitrate Dehydrogenase 1/IDH1 ELISA Kit (Colorimetric) |
| NB120-13888   | DNMT3A Antibody (64B1446) - BSA Free                           |
| NB200-103     | p53 Antibody (PAb 240) - BSA Free                              |

**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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