

# Product Datasheet

## MTAP Antibody (MTAP/3137R) [Alexa Fluor™ Plus 555] NBP3-08965AFP555

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-08965AFP555**

MTAP Antibody (MTAP/3137R) [Alexa Fluor™ Plus 555]

| 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               | MTAP/3137R  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG   |
| Conjugate           | Alexa Fluor Plus 555  |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Rabbit   |
| Gene ID                 | 4507   |
| Gene Symbol             | MTAP   |
| Species                 | Human  |
| Marker                  | Tumor Suppressor Marker  |
| Specificity/Sensitivity | Recognizes a protein of 31kDa, which is identified as MTAP (5'-deoxy-5'-methylthioadenosine phosphorylase). It catalyzes the reversible phosphorolysis of methylthioadenosine, which is important in polyamine metabolism and for the salvage of adenine and methionine. The gene encoding MTAP is linked to the tumor suppressor gene, p16INK4A. Deficient levels of MTAP can occur in cancers primarily through co-deletion of the MTAP gene and the p16INK4A gene. Cells expressing MTAP and possessing adenine salvage pathway activity may be less susceptible to malignancy due to growth-inhibitory actions of agents (e.g. antifolates), whose mechanism of action, in part, involves this de novo purine pathway.   |
| Immunogen               | Recombinant human MTAP protein fragment (aa97-196) (exact sequence is proprietary) (Uniprot: Q13126)   |
| Notes                   | 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. |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, ELISA |



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





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### **Products Related to NBP3-08965AFP555**

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|               |                                   |
|---------------|-----------------------------------|
| NBP2-56796PEP | MTAP Recombinant Protein Antigen  |
| 8499-IF-010   | IFN-beta [Unconjugated]           |
| 10379-MT-050  | MTAP [Unconjugated]               |
| NB200-103     | p53 Antibody (PAb 240) - BSA Free |

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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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