

# Product Datasheet

## **TfR (Transferrin R) Antibody (TFRC/1818) [Alexa Fluor™ Plus 488] NBP2-54466AFP488**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-54466AFP488**

TfR (Transferrin R) Antibody (TFRC/1818) [Alexa Fluor™ Plus 488]

| 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               | TFRC/1818   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG2b Kappa   |
| Conjugate           | Alexa Fluor Plus 488  |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Mouse  |
| Gene ID                 | 7037   |
| Gene Symbol             | TFRC   |
| Species                 | Human  |
| Specificity/Sensitivity | It recognizes a ~90-95kDa protein which is identified as cell surface transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190kDa. This monoclonal antibody is highly specific to CD71 and shows no cross-reaction with other related proteins. Ligand for transferrin receptor is the serum iron transport protein, transferrin. This receptor is broadly distributed in carcinomas, sarcomas, leukemias, and lymphomas. CD71/Transferrin receptor has been reported to be associated with cell proliferation in both normal and neoplastic tissues and useful in predicting clinical behavior or response to therapy in a number of malignancies including breast cancer.   |
| Immunogen               | Recombinant extracellular fragment (around aa 94-212) of human TfR (Transferrin R) protein (exact sequence is proprietary) (Uniprot: P02786)   |
| 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                | Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, CyTOF-ready |
| Recommended Dilutions       | ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |



**Application Notes**

Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP2-54466AFP488**

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|                |   |
|----------------|---|
| NB100-92243PEP | TfR (Transferrin R) Antibody Blocking Peptide |
| 210-TA-005     | TNF-alpha [Unconjugated]                      |
| 2474-TR-050    | TfR (Transferrin R) [Unconjugated]            |
| 202-IL-010     | IL-2 [Unconjugated]                           |

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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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