

# Product Datasheet

## TfR (Transferrin R) Antibody (TFRC/1817) [DyLight 350] NBP2-54467UV

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP2-54467UV**

TfR (Transferrin R) Antibody (TFRC/1817) [DyLight 350]

| Product Information |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| Unit Size           | 100 ul                                                                                      |
| 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/1817                                                                                   |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG2b Kappa                                                                                 |
| Conjugate           | DyLight 350                                                                                 |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | 50mM Sodium Borate                                                                          |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Product Application Details |                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------|
| Applications                | Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| Recommended Dilutions       | Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                |





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### **Products Related to NBP2-54467UV**

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|                |                                                                    |
|----------------|--------------------------------------------------------------------|
| NBP1-43317UV   | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [DyLight 350] |
| NB100-92243PEP | TfR (Transferrin R) Antibody Blocking Peptide                      |
| 210-TA-005     | TNF-alpha [Unconjugated]                                           |
| 2474-TR-050    | TfR (Transferrin R) [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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