

# Product Datasheet

## TfR (Transferrin R) Antibody (66IG10) [mFluor Violet 610 SE] NBP2-34542MFV610

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34542MFV610**

TfR (Transferrin R) Antibody (66IG10) [mFluor Violet 610 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               | 66IG10  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | mFluor Violet 610 SE  |
| 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. Its epitope is localized in the extracellular domain of CD71. 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               | Human thymocytes (T-cells)   |
| 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                | ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, CyTOF-ready |
| Recommended Dilutions       | Flow Cytometry, ELISA, Immunocytochemistry/Immunofluorescence, CyTOF-ready |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.     |



## Images

TfR (Transferrin R) Antibody (66IG10) [mFluor Violet 610 SE] [NBP2-34542MFV610] - Vial of mFluor Violet 610 conjugated antibody. mFluor Violet 610 is optimally excited at 421 nm by the Violet laser (405 nm) and has an emission maximum of 613 nm.



mFluor™ Violet 610

| LASER (nm)   | FILTER |
|--------------|--------|
| Violet (405) | 605/30 |

| EXCITATION MAX (nm) | EMISSION MAX (nm) |
|---------------------|-------------------|
| 421                 | 613               |



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### **Products Related to NBP2-34542MFV610**

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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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