

# Product Datasheet

## TfR (Transferrin R) Antibody (66IG10) [Janelia Fluor® 585] NBP2-34542JF585

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34542JF585**

TfR (Transferrin R) Antibody (66IG10) [Janelia Fluor® 585]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	66IG10
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Janelia Fluor 585
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	7037
<b>Gene Symbol</b>	TFRC
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	Human thymocytes (T-cells)
<b>Notes</b>	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, CyTOF-ready
<b>Recommended Dilutions</b>	Flow Cytometry, ELISA, Immunocytochemistry/ Immunofluorescence, CyTOF-ready
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **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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