

# Product Datasheet

## TfR (Transferrin R) Antibody (MEM-189) - BSA Free NB500-493-0.1mg

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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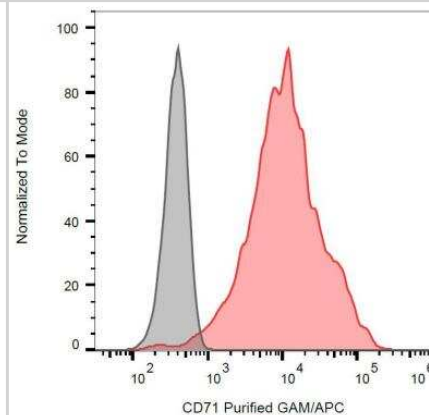
**NB500-493-0.1mg**

TfR (Transferrin R) Antibody (MEM-189) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MEM-189
Preservative	15mM Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	Tris buffered saline (TBS), pH 8.0
Target Molecular Weight	95 kDa
Product Description	
Description	Novus Biologicals Mouse TfR (Transferrin R) Antibody (MEM-189) - BSA Free (NB500-493) is a monoclonal antibody validated for use in WB, Flow and IP. Anti-TfR (Transferrin R) Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7037
Gene Symbol	TFRC
Species	Human
Marker	Recycling Endosome Marker
Specificity/Sensitivity	The antibody MEM-189 reacts with CD71 antigen (transferrin receptor), a 95 kDa type II homodimeric transmembrane glycoprotein expressed on activated B and lymphocytes, macrophages and erythroid precursors; it is lost on resting blood leukocytes. The antibody MEM-189 does not block binding of transferrin to the receptor. HLDA VI; WS Code NL N-L025
Immunogen	KG1 human acute myelogenous leukaemia cell line (NM_001128148.1).
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 2 ug/ml, Immunoprecipitation 1:50, CyTOF-ready
Application Notes	This antibody is useful for Western Blot analysis (non-reducing), immunoprecipitation, and flow cytometry. Purity is > 95% (by SDS-PAGE). This antibody is CyTOF ready.

## Images

Flow Cytometry: TfR (Transferrin R) Antibody (MEM-189) [NB500-493] - staining of CD71 in K562 cells with anti-CD71 (MEM-189) purified, GAM-APC.



## Publications

Deng, K;Lu, Y;Finnema, SJ;Vangjeli, K;Huang, J;Huang, L;Goodearl, A; Application of In vitro transcytosis models to brain targeted biologics PloS one 2023-08-23 [PMID: 37611031] (In vivo assay)

Burgio F, Gaiser C, Brady K et al. A Perfused In Vitro Human iPSC-Derived Blood-Brain Barrier Faithfully Mimics Transferrin Receptor-Mediated Transcytosis of Therapeutic Antibodies Cellular and molecular neurobiology 2023-09-12 [PMID: 37698826]

Kishimoto T et al. Leucocyte typing VI. Garl Publishing Inc. 1997-01-01



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### **Products Related to NB500-493-0.1mg**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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