

# 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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### Publications: 3

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**NB500-493-0.1mg**

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

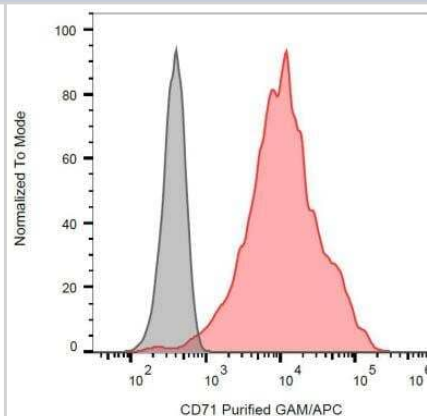
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MEM-189
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	TBS (pH 8.0)
Target Molecular Weight	95 kDa

Product Description	
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

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]

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)

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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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB100-92243PEP	TfR (Transferrin R) Antibody Blocking Peptide

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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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