Product Datasheet

Transferrin Receptor Antibody
NB100-64979SS

Unit Size: 0.01 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 5

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Updated 6/15/2014 v.20.1

NB100-64979SS

Transferrin Receptor Antibody (8D3)

Product Information	
Unit Size	0.01 mg
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	8D3
Preservative	No Preservative
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS, pH7.4

Product Description	
Host	Rat
Gene ID	7037
Gene Symbol	TFRC
Species	Mouse
Species Reactivity	Reacts with Mouse.
Marker	Recycling Endosome Marker
Specificity/Sensitivity	NB100-64979 recognizes native, soluble and denatured forms of murine CD71. The antibody has been used as a BBB transporter vector in mice and is suitable for studying CD71 expression, and iron uptake into different tissues, in the mouse.
Immunogen	Mouse transformed endothelioma cell line t.end1.

Product Application Details	
Applications	Flow Cytometry, Functional, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, In vivo assay
Recommended Dilutions	Flow Cytometry 1:100-1:200, Functional, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, In vivo assay
Application Notes	For Flow Cytometry: Use 10 ul of the suggested working dilution to label 10^6 cells in 100 ul. Immunocytochemistry/Immunofluorescence and In vivo assay were reported in scientific literature.

Publications

Papademetriou IT, Garnacho C, Schuchman EH, Muro S. In vivo performance of polymer nanocarriers dually-targeted to epitopes of the same or different receptors. Biomaterials 2013 Feb 8 [PMID: 23398883] (In vivo, Mouse)

Papademetriou J, Garnacho C, Serrano D et al. Comparative binding, endocytosis, and biodistribution of antibodies and antibody-coated carriers for targeted delivery of lysosomal enzymes to ICAM-1 versus transferrin receptor J Inherit Metab Dis 2012 Sep 12 [PMID: 22968581] (In vivo, Mouse)

Ruderisch N, Virgintino D, Makrides V, Verrey F. Differential axial localization along the mouse brain vascular tree of luminal sodium-dependent glutamine transporters Snat1 and Snat3 J Cereb Blood Flow Metab 2011 Jul [PMID: 21364602] (IHC, ICC/IF, Mouse)

Lee, HJ et al. Targeting rat anti-mouse transferin receptor monoclonal antibodies through blood-brain barrier in mouse. J Pharmacol Exp Ther 292: 1048-52. 2000 [PMID: 10688622]

Kissel, K et al. Immunohistochemical localization of the murine transferrin receptor (TfR) on blood-tissue barriers using a novel anti-TfR monoclonal antibody. Histochem cell Biol 110: 63-72. 1998 [PMID: 9681691]

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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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.