

Mouse anti-Transferrin receptor 1/CD71, clone 3B8 2A1 (Monoclonal)

Clone no. 3B8 2A1

MONOSAN

Product name	Mouse anti-Transferrin receptor 1/CD71, clone 3B8 2A1 (Monoclonal)
Host	Mouse
Applications	IHC-fr,FC,ELISA,IP,WB
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG1
Clonality	Monoclonal
Clone number	3B8 2A1
Size	1 ml
Concentration	100 ug/ ml
Format	-
Storage buffer	PBS with 0.1% BSA and 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Human transferrin receptor 1 (TfR1), also designated CD71, is a homodimeric type II membrane glycoprotein of 90-95 kDa. This receptor binds two molecules of the serum iron-transport protein transferrin (Tf) and is internalised into endosomes that are acidified, resulting in the release of iron from Tf. TfR1 is not expressed on resting leukocytes but is upregulated on all proliferating cells upon activation, reflecting the iron dependence of proliferation. In tissues TfR1 is expressed on most dividing cells and on brain capillary endothelium. Expression of TfR1 is down regulated as a result of iron overload. TfR1 shares 45% identity with TfR2.

References

1. Vogt; T et al. Blood 2003; 101: 2008
2. Johnson, M et al Blood 2004, 104: 4287
3. -
4. -
5. -

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