

Product Datasheet

TfR (Transferrin R) Antibody (DF1513) NBP2-32945-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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Updated 4/13/2025 v.20.1

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NBP2-32945-0.1mg

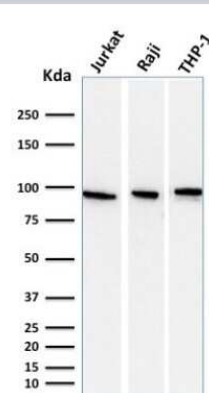
TfR (Transferrin R) Antibody (DF1513)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	DF1513
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	<p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34602)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Mouse
Gene ID	7037
Gene Symbol	TFRC
Species	Human
Specificity/Sensitivity	It recognizes a ~90-95kDa protein which is identified as cell surface transferrin receptor (CD71), a disulfide-bonded homodimeric glycoprotein of 180-190kDa (Workshop IV). This monoclonal antibody is highly specific to CD71 and shows no cross-reaction with other related proteins. 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.
Immunogen	KG1 acute myeloid leukemia cell line
Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1-2 ug/ml, Simple Western 10 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml
Application Notes	Optimal dilution for a specific application should be determined.

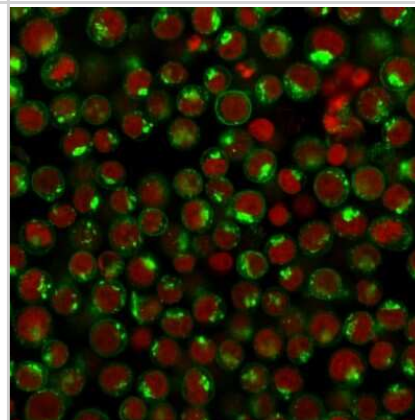


Images

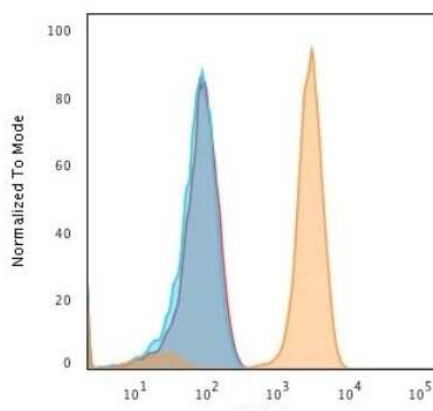
Western Blot: TfR (Transferrin R) Antibody (DF1513) [NBP2-32945] - Western Blot Analysis of Jurkat, Raji, and THP-1 cell lysate using TfR (Transferrin R) Antibody (DF1513).



Immunocytochemistry/Immunofluorescence: TfR (Transferrin R) Antibody (DF1513) [NBP2-32945] - Immunofluorescence Analysis of Human Jurkat cells labeling CD71 with TfR (Transferrin R) Antibody (DF1513) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red)



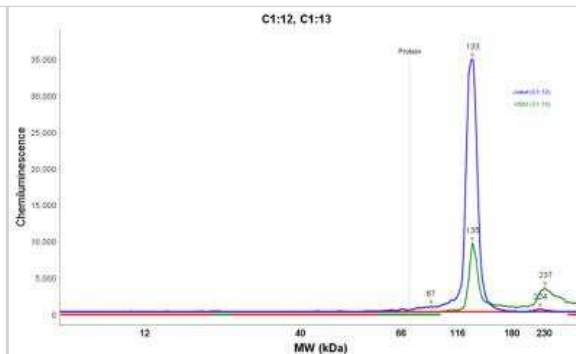
Flow Cytometry: TfR (Transferrin R) Antibody (DF1513) [NBP2-32945] - Flow Cytometric Analysis of human Jurkat cells using TfR (Transferrin R) antibody (DF1513) followed by Goat anti-Mouse IgG-CF488 (Orange); cells alone (Blue); Isotype Control (Red).



Simple Western: TfR (Transferrin R) Antibody (DF1513) [NBP2-32945] - Simple Western lane view shows a specific band for TfR (Transferrin R) in 0.2 mg/ml of Jurkat (left) and K562 (right) lysate(s). This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: TfR (Transferrin R) Antibody (DF1513) [NBP2-32945] - Electropherogram image of the corresponding Simple Western lane. TfR (Transferrin R) antibody was used at 10 ug/ml dilution of Jurkat and K562 lysates(s) respectively.



Publications

Principe P, Mukosera GT, Gray-Hutto N et al. Nitric Oxide Affects Heme Oxygenase-1, Hepcidin, and Transferrin Receptor Expression in the Placenta International journal of molecular sciences 2023-03-20 [PMID: 36982960]

Ng O. Iron, microbiota and colorectal cancer. Wien Med Wochenschr. 2016-08-30 [PMID: 27577249]

Details:

This citation used the Alexa Fluor 647 version of this antibody.



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Products Related to NBP2-32945-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NB100-92243PEP	TfR (Transferrin R) Antibody Blocking Peptide

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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