

Product Datasheet

TfR (Transferrin R) Antibody (YTA74.4) - BSA Free NB100-65397

Unit Size: 0.125 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB100-65397

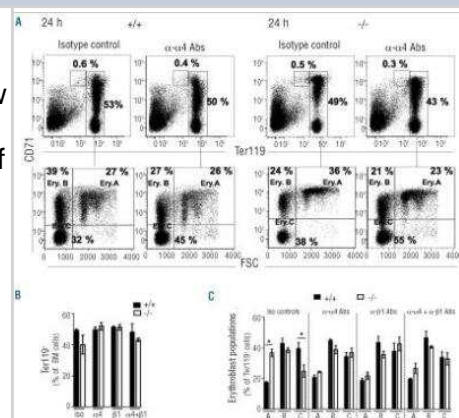
TfR (Transferrin R) Antibody (YTA74.4) - BSA Free

Product Information	
Unit Size	0.125 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	YTA74.4
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.4)
Product Description	
Host	Rat
Gene ID	7037
Gene Symbol	TFRC
Species	Mouse
Marker	Recycling Endosome Marker
Specificity/Sensitivity	Mouse CD71 antigen, the transferrin receptor (TFR). Expressed on all dividing cells and can distinguish resting and activated T-cells. Immunoprecipitates a disulphide linked homodimer of 90kD by SDS PAGE. The antibody inhibits cell proliferation and the mixed lymphocyte response in vitro. Blocks the binding of R17 217.1.3. and R17 208.2 anti-TFR monoclonal antibodies (1,2).
Immunogen	Mouse Concanavalin A activated spleen cells.
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500

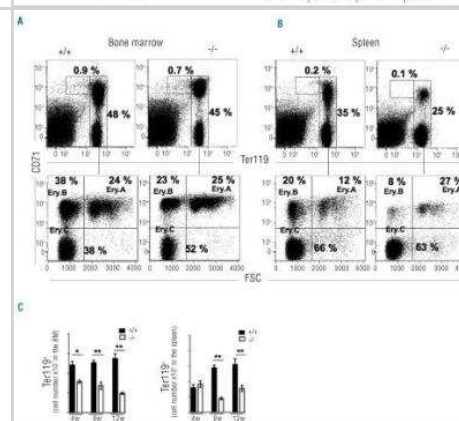


Images

Flow Cytometry: TfR (Transferrin R) Antibody (YTA74.4) [NB100-65397]
 - Alpha4 and beta1 integrin activity regulation is required for erythroblast developmental transition. (A) Representative FACS plots of bone marrow (BM) Ter119+ erythroblasts after treatment with anti-alpha4 blocking antibodies (Abs) or with isotype-matched Abs. Percentages shown are of parent populations. (B) and (C) Histograms showing the mean of two independent experiments for mice treated with anti-alpha4, anti-beta1, their combination or with iso-type-matched Abs.



Flow Cytometry: TfR (Transferrin R) Antibody (YTA74.4) [NB100-65397]
 - SWAP-70-deficient mice have lower erythropoietic reserves. Upper plots: Ter119(low)CD71(high) comprise proerythroblasts and Ter119+ comprise total erythroblasts. Percentages shown are of total BM and spleen cells. Lower plots: erythroblasts, subgated Ter119high. Percentages shown are of parent populations. (C) Automated-quantified (MACSQuant, Miltenyi) total numbers of Ter119+ cells in the BM (per 1 femur and 1 tibia) and in the spleen of wt and Swap-70(-/-) mice of different ages.





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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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