

Transferrin Receptor Monoclonal Antibody (YTA74.4)

Product Details

Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a
Class	Monoclonal
Type	Antibody
Clone	YTA74.4
Conjugate	Unconjugated
Immunogen	Murine Concanavalin A activated spleen cells.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_929355

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
Flow Cytometry (Flow)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-

Product Specific Information

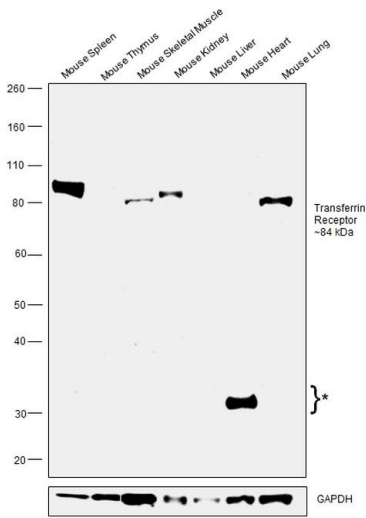
For FACS analysis, use 10 µL of the suggested working dilution to label 1x10⁶ cells in 100 µL.

Rat anti Mouse CD71 antibody, clone YTA74.4 recognizes the mouse Transferrin receptor protein 1 also known as CD71 or TfR1.

Product Images For Transferrin Receptor Monoclonal Antibody (YTA74.4)

Transferrin Receptor Antibody (MA1-80015) in WB

Western blot was performed using Anti-Transferrin Receptor Monoclonal Antibody (YTA74.4) (Product # MA1-80015) and a 84kDa band corresponding to Transferrin Receptor was observed along with uncharacterized band (*) across tissues tested. Tissue extracts (50 µg lysate) of Mouse Spleen (Lane 1), Mouse Thymus (Lane 2), Mouse Skeletal Muscle (Lane 3), Mouse Kidney (Lane 4), Mouse Liver (Lane 5), Mouse Heart (Lane 6) and Mouse Lung (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). Relative Expression of Transferrin Receptor was observed to be high in Mouse Spleen, Medium in Mouse Skeletal Muscle, Mouse Kidney and Mouse Lung, Low in Mouse Thymus, Mouse Liver and Mouse Heart. The blot was probed with the primary antibody (2 µg/mL) and detected by chemiluminescence with F(ab2-Rabbit anti-Rat IgG (H+L Secondary Antibody, HRP (Product # PA1-29927, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.