

Rat anti-Mouse CD71 Monoclonal Antibody | anti-CD71 antibody

Rat Anti Mouse CD71: RPE

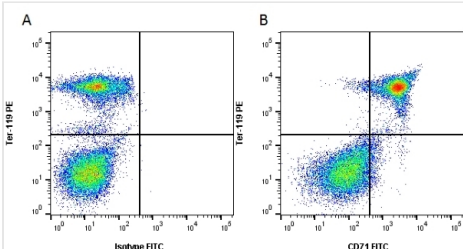
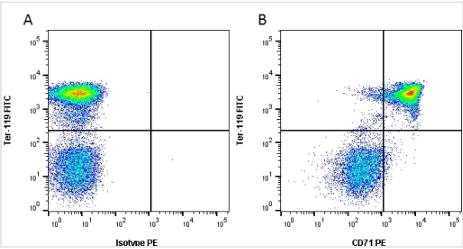
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50347	Rat	Mouse	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD71; Monoclonal Antibody; Rat Anti Mouse CD71: RPE; CD71 antibody (8D3); anti-CD71 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	8D3
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Liquid; Phosphate Buffered Saline
Concentration	0.1 mg/ml (varies by lot)
Sequence Length	763
Applicable Applications for anti-CD71 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Mouse transformed endothelioma cell line t.end1.
Conjugation	RPE
Fusion Partners	Spleen cells from immunised Lewis rats were fused with the cells of the mouse NS0 myeloma cell line.
Preservative Stabilizers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.



Application Data
Figure A. FITC conjugated rat anti mouse TER-119 and RPE conjugated Rat IgG2a isotype control Figure B. FITC conjugated rat anti mouse TER-119 and RPE conjugated rat anti mouse CD71 . All experiments performed on mouse bone marrow. Data acquired on the ZE5 Cell Analyzer.

Application Data
Figure A. RPE conjugated rat anti mouse TER-119 and FITC conjugated Rat IgG2a isotype control Figure B. RPE conjugated rat anti mouse TER-119 and FITC conjugated rat anti mouse CD71 . All experiments performed on mouse bone marrow. Data acquired on the ZE5 Cell Analyzer

ADDITIONAL INFORMATION

Related Product Information for anti-CD71 antibody

Rat anti Mouse CD71 antibody, clone 8D3 recognizes mouse CD71, a 763 amino acid ~95 kDa single pass type II cell surface transmembrane glycoprotein, otherwise known as the transferrin receptor. CD71 is a major iron-binding protein, which plays a key role in the transport of iron into cells that require it. In mice, CD71 is widely expressed on a variety of cells, including Sertoli cells and cells which form the blood brain barrier (BBB) in the central nervous system.

Rat anti Mouse CD71 antibody, clone 8D3 recognizes native, soluble and denatured forms of murine CD71. Binding of the 8D3 antibody to CD71 does not inhibit the proliferation of cell lines tested, and does not interfere with the uptake of iron into cells.

Rat anti Mouse CD71 antibody, clone 8D3 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 (Kissel et al. 1988).

NCBI AND UNIPROT INFORMATION

NCBI GI #	11596855
NCBI GeneID	22042
NCBI Accession #	NP_035768.1
NCBI GenBank Nucleotide #	NM_011638.4
UniProt Accession #	Q62351
NCBI Official Full Name	transferrin receptor protein 1
NCBI Official Synonym Full Names	transferrin receptor
NCBI Official Symbol	Tfrc
NCBI Official Synonym Symbols	TR; TFR; p90; CD71; TFR1; Trfr; Mtvr1; 2610028K12Rik; E430033M20Rik
NCBI Protein Information	transferrin receptor protein 1
UniProt Protein Name	Transferrin receptor protein 1
UniProt Entry Name	TFR1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.