

Mouse CD71 Monoclonal Antibody | anti-CD71 antibody

MOUSE ANTI HUMAN CD71

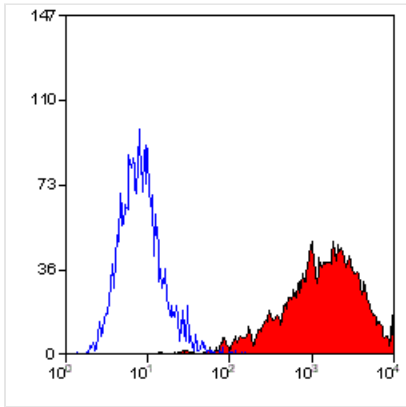
CATALOG #	HOST	APPLICATIONS
AAA50199	Mouse	Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

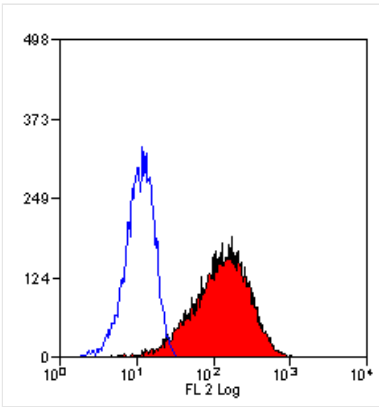
CD71; Monoclonal Antibody; MOUSE ANTI HUMAN CD71; anti-CD71 antibody

PRODUCT SPECIFICATIONS

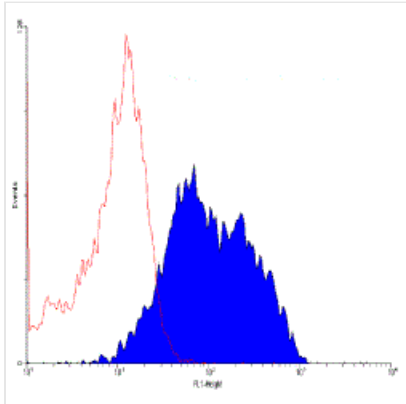
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	DF1513
Specificity	Mouse anti Human CD71 antibody, clone DF1513 recognizes the human CD71 cell surface antigen, a ~190 kDa homodimeric glycoprotein expressed by proliferating cells. CD71 is also known as the transferrin receptor. Mutation of the TFRC gene has been implicated in the development of Immunodeficiency 46 (IMD46) a combined immunodeficiency characterized by early onset chronic diarrhea, recurrent infections and intermittent neutropenia and thrombocytopenia (Jabara et al. 2016)
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	760
Applicable Applications for anti-CD71 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.
Immunogen	KGI cell line
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse NSI myeloma cell line.
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.



Application Data
Staining of KG1 cells with Mouse anti Human CD71:Alexa FluorR 647



Application Data
Staining of Jurkat cells with Mouse anti Human CD71:RPE



Application Data
Staining of MOLT4 (human acute lymphoblastic leukemia) cells with Mouse anti Human CD71: FITC

ADDITIONAL INFORMATION

Related Product Information for anti-CD71 antibody	Mouse anti Human CD71 antibody, clone DF1513 recognizes the human CD71 cell surface antigen, a 190kDa homodimeric glycoprotein expressed by proliferating cells. CD71 is also known as the transferrin receptor.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189458819
NCBI GeneID	7037
NCBI Accession #	NP_001121620.1
NCBI GenBank Nucleotide #	NM_001128148.1
UniProt Accession #	P02786; Q1HE24; Q59G55; Q9UCN0; Q9UCU5; Q9UDF9; Q9UK21; D3DXB0
NCBI Official Full Name	transferrin receptor protein 1
NCBI Official Synonym Full Names	transferrin receptor
NCBI Official Symbol	TFRC
NCBI Official Synonym Symbols	T9; TR; TFR; p90; CD71; TFR1; TRFR
NCBI Protein Information	transferrin receptor protein 1; transferrin receptor (p90, CD71)
UniProt Protein Name	Transferrin receptor protein 1

UniProt Gene Name	TFRC
UniProt Synonym Gene Names	TR; TfR; TfR1; Trfr; sTfR
UniProt Entry Name	TFR1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd71-antibody-clone-df1513-immunofluorescence-flow-cytometry-elisa/50199>