

DATASHEET

CD71 Mouse Monoclonal Antibody (ARM958)

CAT. NO. ARM6748

KEY FEATURES

Target	CD71	Clone ID	ARM958
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

Cluster of Differentiation 71 (CD71), also known as Transferrin Receptor Protein 1 (TfR1) or the transferrin receptor, is a cell surface proliferation marker that is involved in the cellular uptake of iron. CD71 is most highly expressed in early erythroid precursors and is fully absent from mature erythrocytes; CD71 is therefore highly useful as a marker for erythroid components within bone marrow biopsy specimens, without interference from mature erythrocytes. CD71 expression has been indicated in invasive breast carcinoma with acquired resistance to tamoxifen, and has been linked to poor prognosis in ER+/luminal-like breast cancer. Anti-CD71 is used in the determination of erythroid leukemia, benign erythroid proliferative disorders, and myelodysplastic syndrome.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	IHC
Dilution Ratio	1:100-1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Antibody Type	Primary antibodies
Isotype	IgG1
Positive Control	Bone Marrow tissues
Localization	Membranous, Cytoplasmic
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	TFRC
Entrez Gene ID	7037
Uniprot	P02786
Alternative Names	Transferrin receptor protein 1; TR; TfR; TfR1; Trfr; T9; p90; CD71

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

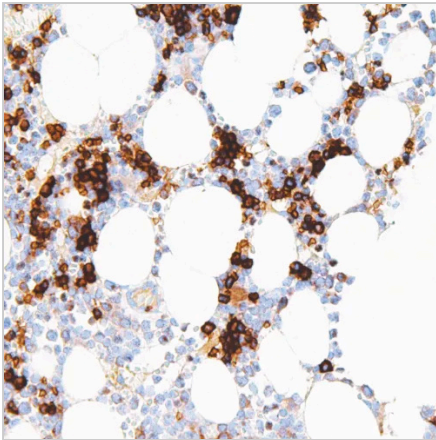
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

DATA

Immunohistochemical staining of human bone marrow tissue using CD71 Mouse Monoclonal Antibody (ARM958).

RESEARCH USE ONLY

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com / cd71-mouse-monoclonal-antibody-arm958-arm6748](http://www.arexbio.com/cd71-mouse-monoclonal-antibody-arm958-arm6748)