

DATASHEET

CD45RA Mouse Monoclonal Antibody (ARM952)

CAT. NO. ARM6742

KEY FEATURES

Target	CD45RA	Clone ID	ARM952
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

CD45R, also known as MB1, is an isoform of CD45 that is a member of the protein tyrosine phosphatase (PTPase) family. CD45R is expressed specifically on the surface of hematopoietic cells, and has demonstrated function as a regulator of the antigen and cytokine receptor signaling of B- and T-cells. Given that the antigen is located in the membrane of all B-cells, with the exception of plasma cells and some mature T-cells, Anti-CD45R exhibits specific reactivity with most B-lymphocytes. The use of Anti-CD45R is primarily useful in distinguishing B-cell lymphomas from T-cell lymphomas, with specific reactivity to follicle center cells, mantle cells, some medullary thymocytes, and 80% of B-cell lymphomas.

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	Lymph Node, Tonsil
Localization	Membranous
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	PTPRC
Entrez Gene ID	5788
Uniprot	P08575
Alternative Names	CD45; Receptor-type tyrosine-protein phosphatase C; Leukocyte common antigen; L-CA; T200; CD antigen CD45

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

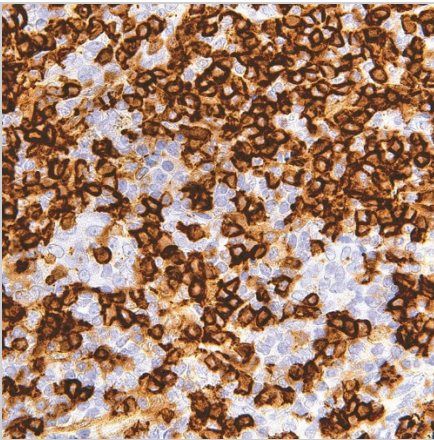
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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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 tonsil tissue using CD45RA Mouse Monoclonal Antibody (ARM952).

RESEARCH USE ONLY

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

More information: [www.arexbio.com / cd45ra-mouse-monoclonal-antibody-arm952-arm6742](http://www.arexbio.com/cd45ra-mouse-monoclonal-antibody-arm952-arm6742)