

DATASHEET

CD45 (LCA) Mouse Monoclonal Antibody (ARM951)

CAT. NO. ARM6741

KEY FEATURES

Target	CD45 (LCA)	Clone ID	ARM951
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

Cluster of Differentiation 45 (CD45), also known as Leukocyte Common Antigen (LCA), is a member of the protein tyrosine phosphatase (PTPase) family that is known to regulate a variety of cellular processes including cell growth, differentiation, the mitotic cycle, and oncogenic transformation. CD45 is expressed in most nucleated cells of hematopoietic origin, and is an essential regulator of T- and B-cell antigen receptor signaling. Anti-CD45 positively stains the majority of lymphoid neoplasms, and is highly indicative of lymphoid origin. However, an absence of CD45 does not rule out lymphoid tumours, as certain types of neoplasms lack CD45, such as Hodgkin's lymphoma, some T-cell lymphomas, and some leukemias.

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	Tonsil, Lymph Node
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	Leukocyte common antigen, PTPRC

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

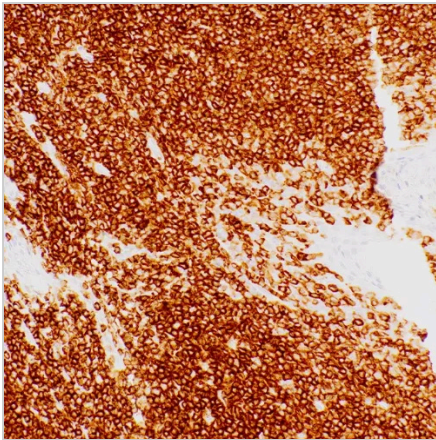
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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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 CD45 (LCA) Mouse Monoclonal Antibody (ARM951).

RESEARCH USE ONLY

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

More information: [www.arexbio.com / cd45-\(lca\)-mouse-monoclonal-antibody-arm951-arm6741](http://www.arexbio.com/cd45-(lca)-mouse-monoclonal-antibody-arm951-arm6741)