

DATASHEET

CD43 Mouse Monoclonal Antibody (ARM949)

CAT. NO. ARM6739

KEY FEATURES

Target	CD43	Clone ID	ARM949
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

Cluster of Differentiation 43 (CD43), also known as Sialophorin, is a transmembrane protein that plays a role in T-cell activation. CD43 is normally expressed abundantly on the surface of differentiated hematopoietic stem cells, including monocytes, granulocytes, T-lymphocytes, and some B-lymphocytes. Due to the efficacy of CD43 immunohistochemical staining in granulocytes, it is an effective marker for myeloid tumours, while other antibodies demonstrate weak staining under these conditions. Given the low reactivity of Anti-CD43 with B-cells, positive staining of CD43 is implicated in a number of lymphoid and myeloid tumours, with over 90% positive staining in T-cell lymphomas. When CD43 is used in combination with CD45 and L26, immunotyping of various lymphomas can be obtained; this is particularly true when co staining a lymphoid infiltrate with CD20 and CD3.

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 tissues, 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	SPN
Entrez Gene ID	6693
Uniprot	P16150
Alternative Names	CD43; Leukosialin; Galactoglycoprotein; GALGP; Leukocyte sialoglycoprotein; Sialophorin; CD43

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

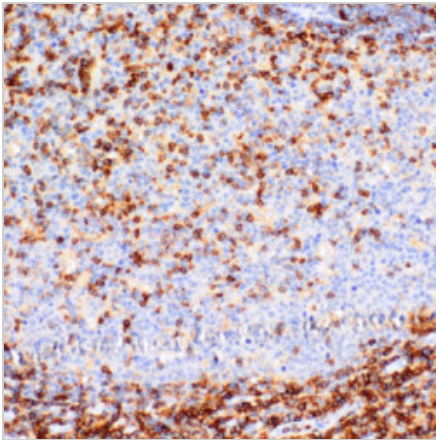
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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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 CD43 Mouse Monoclonal Antibody (ARM949).

RESEARCH USE ONLY

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

More information: [www.arexbio.com / cd43-mouse-monoclonal-antibody-arm949-arm6739](http://www.arexbio.com/cd43-mouse-monoclonal-antibody-arm949-arm6739)