DATASHEET

CD43 Mouse Monoclonal Antibody(ARA523)

CAT. NO. ARA5853

KEY FEATURES

Target:	CD43	**Clone ID:**	ARA523
Source/Host:	Mouse	**Reactivity:**	Human
Clonality:	Monoclonal	**Applications:**	IHC
Storage:	at-20°C		

BACKGROUND

CD43 (sialophorin, encoded by the SPN gene) is a highly sialylated transmembrane glycoprotein expressed on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, natural killer cells and some B lymphocytes. It contains a mucin-like extracellular domain rich in serine and threonine residues that allows extensive O-glycosylation, a transmembrane region and a carboxy-terminal intracellular region. As the predominant cell surface sialoprotein of leukocytes, CD43 functions in antigen-specific activation of T cells and regulates multiple T-cell functions including activation, proliferation, differentiation, trafficking and migration. In pathology, CD43 is widely used as a leukocyte marker for the differential diagnosis of lymphomas and leukemias.

APPLICATION

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

IHC	1:50-1:200

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

OVERVIEW

Description	Mouse monoclonal antibody to human CD43
Antibody Type	Primary antibody,Monoclonal
Immunogen	Recombinant human SPN
Purification	Protein A purification
Isotype	IgG1
Form/Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Alternative Names	Leukosialin; Sialophorin; LSN; GALGP; GPL115; Ly-48; Galactoglycoprotein; Leukocyte sialoglycoprotein
Gene Symbol	SPN
Entrez Gene	6693(Human)
SwissProt	P16150(Human)

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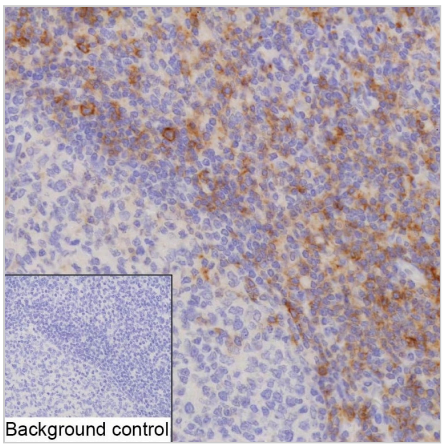
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Immunohistochemical analysis of paraffin-embedded human tonsil tissue with CD43 Mouse Monoclonal Antibody(ARA523) at 1:200 dilution. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0); detection with HRP conjugated compact polymer system, DAB chromogen; counterstained with hematoxylin.

STORAGE

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

NOTE

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

More information: www.arexbio.com