DATASHEET

PE-labled CD43 Mouse Monoclonal Antibody(ARA652)

CAT. NO. ARA6362

KEY FEATURES

Target	CD43	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	IF/ICC, FC	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.

Dilution Ratio	10 µl / assay

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

PRODUCT OVERVIEW

Product Description	Mouse monoclonal antibody PE labled to CD43
Immunogen	MV4-11 cell line
Purification	The antibody was purified by affinity chromatography.
Clonality	Monoclonal
Conjugate	PE
Form	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Dilution Ratio	10 µl / assay
Gene Symbol	SPN
Alternative Names	CD43; Leukosialin; Galactoglycoprotein; GALGP; Leukocyte sialoglycoprotein; Sialophorin; CD43
Gene ID (Human)	6693
Protein ID (Human)	P16150
Application Protocol	1. Take 100 µl peripheral blood anticoagulated by EDTA and add to the bottom of 5 ml tube. 2. Add 10 µl labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light. 3. Add 2 ml RBC lysis buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells. 4. Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant. 5. Add 2 ml PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant. 6. Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 °C then measured).

*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

Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.

NOTE

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

More information: www.arexbio.com