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Product datasheet

APC/Cy7® Anti-CD43 antibody [MEM-59] ab233451

[1 Image](#)

Overview

Product name	APC/Cy7® Anti-CD43 antibody [MEM-59]
Description	APC/Cy7® Mouse monoclonal [MEM-59] to CD43
Host species	Mouse
Conjugation	APC/Cy7®. Ex: 650nm, Em: 774nm
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Tissue, cells or virus corresponding to Human CD43. Human T lymphocytes.
Positive control	Flow Cytometry: Human peripheral blood cells.
General notes	This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5, 268, 486 and related patents. Cy® and CyDye® are trademarks of Cytiva.
	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.0975% Sodium azide Constituent: PBS
Purity	Size exclusion
Clonality	Monoclonal
Clone number	MEM-59
Isotype	IgG1

Applications

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 4µl for 10^6 cells.

Target

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Function	One of the major glycoproteins of thymocytes and T lymphocytes. Plays a role in the physicochemical properties of the T-cell surface and in lectin binding. Presents carbohydrate ligands to selectins. Has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. Is a counter receptor for SN/Siglec-1 (By similarity). During T-cell activation is actively removed from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response.
Tissue specificity	Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas.
Post-translational modifications	Glycosylated; has a high content of sialic acid and O-linked carbohydrate structures.
Cellular localization	Membrane.

Images
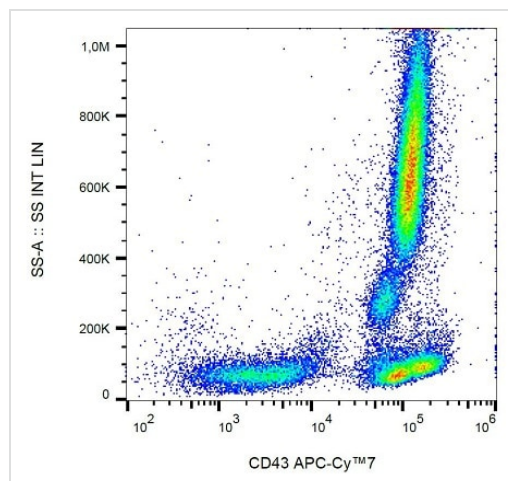
Surface staining of human peripheral blood cells with ab233451.

Gated on leukocytes.

Flow Cytometry - APC/Cy7® Anti-CD43 antibody [MEM-59] (ab233451)

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