abcam

Product datasheet

Alexa Fluor® 488 Anti-CD43 antibody [MEM-59], prediluted ab187599

1 Image

Overview

Product name	Alexa Fluor® 488 Anti-CD43 antibody [MEM-59], prediluted
Description	Alexa Fluor® 488 Mouse monoclonal [MEM-59] to CD43, prediluted
Host species	Mouse
Conjugation	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
Specificity	This antibody recognizes neuraminidase-sensitive epitope on CD43 (Leukosialin), a 95-135 kDa type I transmembrane glycoprotein (mucin-type) which is involved in lymphocyte activation.
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Tissue, cells or virus corresponding to Human CD43. (Human T lymphocytes).
General notes	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. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.097% Sodium azide Constituents: 99% PBS, 0.2% BSA
Purity	Size exclusion
Purification notes	Purified antibody is conjugated with Alexa Fluor® 488 under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Clonality	Monoclonal

Clone number	MEM-59
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab187599 in the following tested applications.

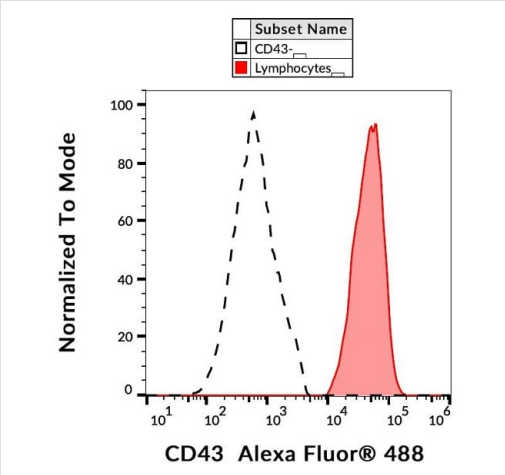
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 4µl for 10^6 cells. (or 100 µl of whole blood).

Target

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



Flow Cytometry - Alexa Fluor® 488 Anti-CD43 antibody [MEM-59], prediluted (ab187599)

Surface staining of human peripheral blood with ab187599 at 1/25 dilution

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