

Product datasheet

Anti-CD43 antibody [MEM-59] (FITC) ab21853

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Overview

Product name	Anti-CD43 antibody [MEM-59] (FITC)
Description	Mouse monoclonal [MEM-59] to CD43 (FITC)
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse, Human
Immunogen	Tissue/ cell preparation (T lymphocytes) (Human).
General notes	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituents: PBS, BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	MEM-59
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab21853** 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

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Flow Cyt

Use 1 µl for 10⁶ cells.

[ab91356](#) - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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.

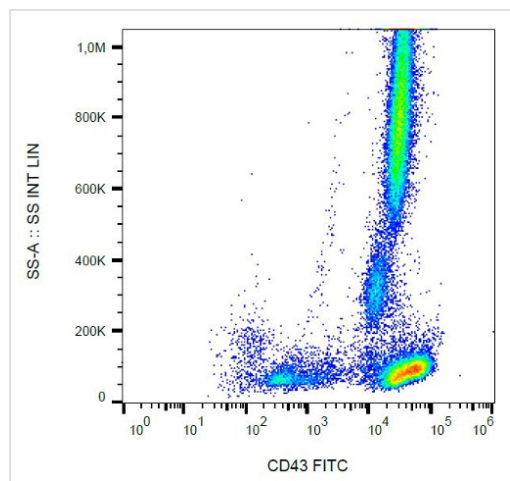
Post-translational modifications

Glycosylated; has a high content of sialic acid and O-linked carbohydrate structures.

Cellular localization

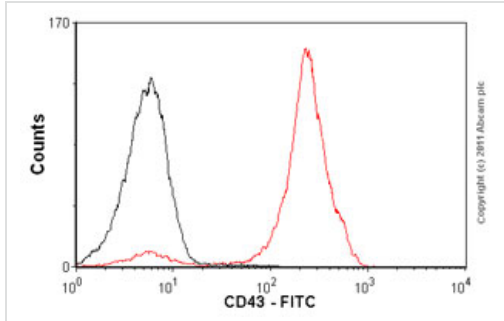
Membrane.

Images



Flow Cytometry analysis of human peripheral blood cells labeling CD43 with Anti-CD43 antibody [MEM-59] (FITC) (ab21853).

Flow Cytometry - Anti-CD43 antibody [MEM-59]
(FITC) (ab21853)



Flow Cytometry - Anti-CD43 antibody [MEM-59]
(FITC) (ab21853)

Overlay histogram showing peripheral blood lymphocytes stained with ab21853 (red line). The cells incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab21853, 0.5 $\mu\text{g}/1 \times 10^6$ cells) for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 FITC (2 $\mu\text{g}/1 \times 10^6$ cells) for 30 min at 22°C. Acquisition of >5,000 events was performed.

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