



Product datasheet

Anti-CD43 antibody [TP1/36] ab221236

1 Image

Overview

Product name	Anti-CD43 antibody [TP1/36]
Description	Mouse monoclonal [TP1/36] to CD43
Host species	Mouse
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Full length native protein (purified) corresponding to Human CD43 aa 1 to the C-terminus. (Purified from myeloblastic KG1 cells). Database link: P16150
	 Run BLAST with  Run BLAST with
Positive control	Human peripheral blood lymphocytes.
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.09% Sodium azide
	aqueous buffered solution containing protein stabilizer
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	TP1/36
Isotype	IgG1

Applications

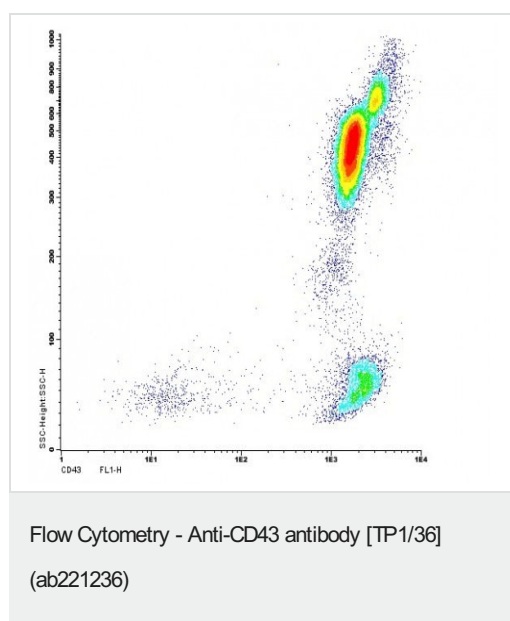
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab221236 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 1µg for 10 ⁶ cells.

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 cytometric analysis of human peripheral blood lymphocytes labeling CD43 with ab221236, followed by FITC anti-Human IgG.

The histogram is a biparametric representation (side scatter versus fluorescence intensity) of a lysate normal whole blood sample gated on leucocytes.

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