

APC Anti-Human CD53 Antibody[HI29]

Catalog Number: E-AB-F1332E

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

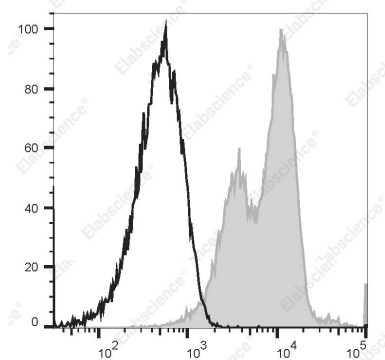
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	HI29
Isotype Control	APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E]
Conjugation	APC
Conjugation Information	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications

Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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Data



Staining of normal human peripheral blood cells with APC Anti-Human CD53 Antibody[HI29] (filled gray histogram) or APC Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	Leukocyte surface antigen CD53;CD53;Cell surface glycoprotein CD53;Tetraspanin-25;Tspan-25;MOX44;TSPAN25
Uniprot ID	P19397
Gene ID	963

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Rev. V1.2

Background

CD53 is a 35-42 kD type III tetraspan membrane protein. It is expressed on all leukocytes, but not on platelets or erythrocytes. CD53 is thought to be involved in signal transduction. It has been shown to interact with a number of proteins including IL-4, CD20, CD2, CD9, IL-2, VLA-4, and CD4. Cross-linking of CD53 promotes B cell activation. The CD53 antigen is highly glycosylated and treatment with endoglycosidase F reduces the apparent molecular weight of this protein by approximately 25 kD. The HI29 antibody has been shown to be useful for flow cytometry, and immunohistochemistry (frozen).