

FITC anti-human CD43

Catalog # / Size: 315203 / 25 tests
315204 / 100 tests

Clone: MEM-59

Isotype: Mouse IgG1, κ

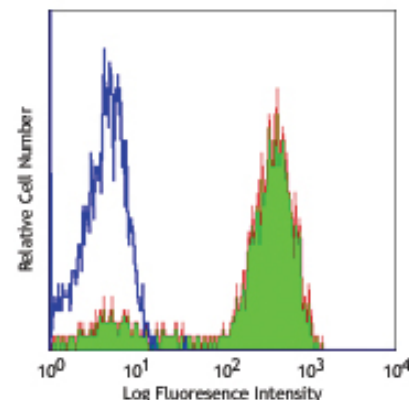
Immunogen: Human T lymphocytes

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with MEM-59 FITC

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation, Western blotting, immunohistochemistry of formalin-fixed paraffin-embedded sections, and T cell activation^{Sup>1,2}.

Application References: 1. Olweus J, *et al.* 1993. *J. Immunol.* 151:707.
2. Alvarado M, *et al.* 1995. *Eur. J. Immunol.* 25:1051.

Description: CD43 is a 95-135 kD type I transmembrane glycoprotein known as leukosialin, leukocyte sialoglycoprotein, sialophorin, and galactoglycoprotein. It is expressed at high levels on the surface of all leukocytes (except on resting B cells) and at low levels on platelets, negative on erythrocytes. The expression of CD43 on T cells and neutrophils is rapidly downregulated by proteolytic shedding after activation with various stimuli. The soluble form of CD43 is present in human serum. It has been reported that CD43 plays a role in anti-adhesive functions, but also mediates adhesion via its interaction with CD54 or some lectins. Similarly, CD43 is implicated in anti-apoptotic and proapoptotic signaling.

Antigen References: 1. Leukocyte Typing IV. Knapp W, *et al.* (Eds.) Oxford University Press (1989)
2. Stephanova I, *et al.* 1989. *Mol. Immunol.* 26:153.
3. Alvarado M, *et al.* 1995. *Eur. J. Immunol.* 25:1051.
4. Deckert M, *et al.* 1992. *Eur. J. Immunol.* 22:2943
5. Cermak L, *et al.* 2002. *J. Biol. Chem.* 227:7955.

Related Products:

Product
FITC Mouse IgG1, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
MOPC-21

Application
FC, ICFC
FC, ICC, ICFC
FC, ICFC
FC, ICC, ICFC



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