

APC anti-human CD43

Catalog # / Size: 343205 / 25 tests
343206 / 100 tests

Clone: CD43-10G7

Isotype: Mouse IgG1, κ

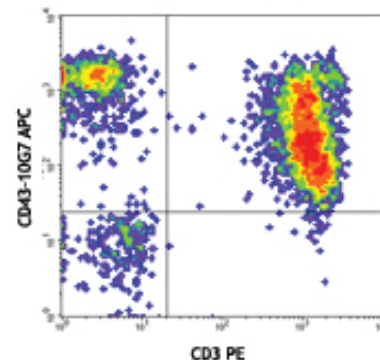
Immunogen: MV4-11 cell line

Reactivity: Human

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

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 CD3 (UCHT1) PE and CD43-10G7 APC (top) or mIgG1, κ APC isotype control (bottom)

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 References: 1. Rosenkranz AR, *et al.* 1993. *Immunology*. 80:431
2. Skubitz KM, *et al.* 1998. *J. Leukoc. Biol.* 64:800

Description: CD43, also known as Ly-48, Leukosialin, Sialophorin, Leukocyte Sialoglycoprotein, and W3/13, is a large single chain of type I transmembrane glycoprotein with abundant O-glycosylation and sialylation sites. It has been reported that CD43 binds to CD54 and Siglec-1. CD43 plays dual roles in cell adhesion and anti-adhesion, as well as costimulation of T cell activation and survival, and induction of apoptosis of T cells and hematopoietic progenitors.

Antigen References: 1. Neil Barclay A, *et al.* 1997. *The Leukocyte Antigen Facts Book: Second Edition*. Page 238
2. Killeen A, *et al.* 1987. *EMBO J.* 6(13):4029.
3. Thurman EC, *et al.* 1998. *Intl. Immunol.* 10:691.
4. Onami TM, *et al.* 2002. *J. Immunol.* 168:6022.
5. Tong J, *et al.* 2004. *J. Exp. Med.* 199:1277.
6. Jones AT, *et al.* 1994. *J. Immunol.* 153:3426.

Related Products:

Product	Clone	Application
APC Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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