SONY

Product Data Sheet

PE/Cyanine7 anti-human CD89

Catalog # / Size: 2370540 / 100 tests
2370535 / 25 tests

Clone: A59

Isotype: Mouse IgG1, κ

Immunogen: Ag8.653 myeloma cells

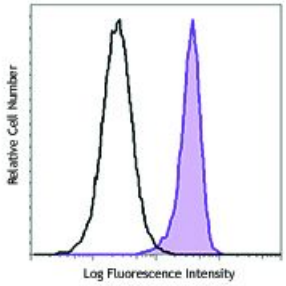
Reactivity: Human, Non-human primate, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions.

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

Workshop Number: V MR30

Concentration: Lot-specific

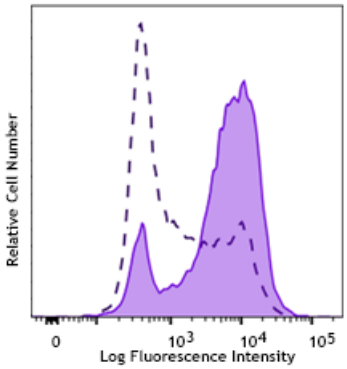


Human peripheral blood granulocytes were stained with CD89 (clone A59) PE/Cy7 (filled histogram) or mouse IgG1, κPE/Cy7 isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



HeLa cells treated with 4 mM of hydroxyurea for 20 hours (filled histogram) (positive control) and untreated HeLa cells (open histogram) (negative control) were fixed with Fixation Buffer (Cat. No. 420801), permeabilized using True-Phos™ Perm Buffer (Cat. No. 426803), and intracellularly stained with purified anti-cdc2 Phospho (Thr14) antibody (clone A20004B) followed by PE goat anti-mouse IgG antibody (Cat. No. 405307).

Application References:

1. Monteiro RC, *et al.* 1992. *J. Immunol.* 148:1764.
2. Shen L. 1992. *J. Leukoc. Biol.* 51:373.
3. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
4. Rogers KA, *et al.* 2004. *Immunology* 113:178.

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Description: CD89, also known as FcαR, is a 55-100 kD glycosylated protein. It belongs to the immunoglobulin gene family. It is expressed on granulocytes, monocytes, and macrophages but is absent on T cells. It can interact with IgA aggregates and plays an important role in IgA mediated immune responses.

Antigen References:

1. Patry C, *et al.* 1996. *J. Immunol.* 156:4442.
2. de Wit, *et al.* 1995. *J. Immunol.* 155:1203.
3. Honorio-França AC, *et al.* 2001. *J. Leukoc. Biol.* 69:289.

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