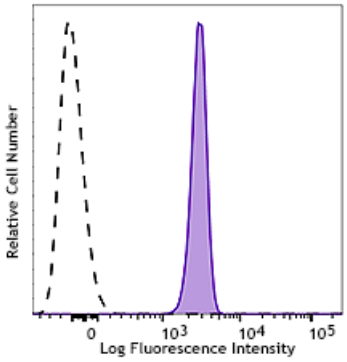
SONY

Product Data Sheet

Alexa Fluor® 700 anti-human CD89

Catalog # / Size:	2370590 / 100 tests 2370585 / 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 Alexa FluorÂ® 700 under optimal conditions. The solution is free of unconjugated Alexa FluorÂ® 700.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number:	V MR30
Concentration:	Lot-specific



Human peripheral blood granulocytes were stained with anti-human CD89 Alexa Fluor® 700 (clone A59, filled histogram) or Mouse IgG1, κ Alexa Fluor® 700 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. * Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.
Application 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.

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.

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com