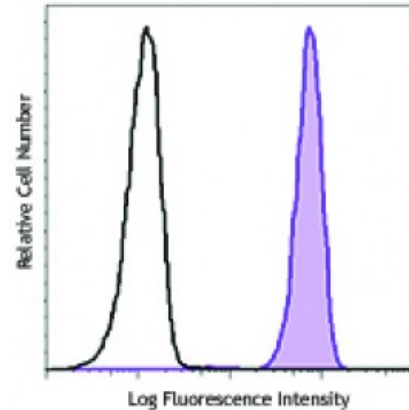


**Biotin anti-human CD89**

**Catalog # / Size:** 2370560 / 100 µg  
**Clone:** A59  
**Isotype:** Mouse IgG1, κ  
**Immunogen:** Ag8.653 myeloma cells  
**Reactivity:** Human  
**Preparation:** The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.  
**Workshop Number:** V MR30  
**Concentration:** 0.5



Human peripheral blood granulocytes were stained with biotinylated CD89 (clone A59) (filled histogram) or biotinylated mouse IgG1, κ isotype control (open histogram), followed by Sav-PE.

**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 ≤0.5 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.
- 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.

**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.