

## ARG42293 anti-CD89 antibody [A59] (FITC)

Package: 50 tests

Store at: 4°C

### Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [A59] recognizes CD89
Tested Reactivity	Hu, NHuPrm
Tested Application	FACS
Specificity	The mouse monoclonal antibody A59 recognizes an extracellular epitope of CD89, a 55-100 kDa glycoprotein serving as a receptor for IgA and expressed mainly on granulocytes, monocytes and macrophages.
Host	Mouse
Clonality	Monoclonal
Clone	A59
Isotype	IgG1, kappa
Target Name	CD89
Species	Human
Immunogen	Ag8.653 myeloma cells.
Conjugation	FITC
Alternate Names	CD89; CTB-61M7.2; FcalphaRI; CD antigen CD89; Immunoglobulin alpha Fc receptor; IgA Fc receptor

### Application Instructions

Application table	Application	Dilution
	FACS	4 µl / 100 µl of whole blood or 10 <sup>6</sup> cells

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

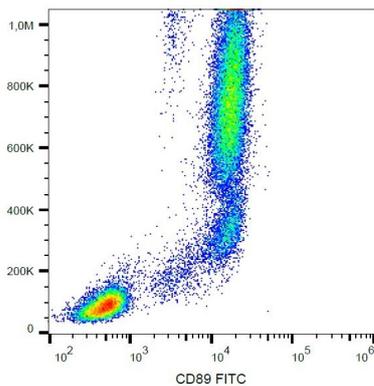
## Bioinformation

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Gene Symbol	FCAR
Gene Full Name	Fc fragment of IgA receptor
Background	This gene is a member of the immunoglobulin gene superfamily and encodes a receptor for the Fc region of IgA. The receptor is a transmembrane glycoprotein present on the surface of myeloid lineage cells such as neutrophils, monocytes, macrophages, and eosinophils, where it mediates immunologic responses to pathogens. It interacts with IgA-opsonized targets and triggers several immunologic defense processes, including phagocytosis, antibody-dependent cell-mediated cytotoxicity, and stimulation of the release of inflammatory mediators. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]
Function	Binds to the Fc region of immunoglobulins alpha. Mediates several functions including cytokine production. [UniProt]
Calculated Mw	32 kDa
Cellular Localization	Isoform A.1: Cell membrane; Single-pass type I membrane protein. Isoform A.2: Cell membrane; Single-pass type I membrane protein. Isoform A.3: Cell membrane; Single-pass type I membrane protein. Isoform B: Secreted. Isoform B-delta-S2: Secreted. [UniProt]

## Images

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ARG42293 anti-CD89 antibody [A59] (FITC) FACS image

Flow Cytometry: Human peripheral blood stained with ARG42293 anti-CD89 antibody [A59] (FITC).