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## anti-FCAR antibody

**Images** 



#### Overview

Quantity:	0.1 mg
Target:	FCAR
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FCAR antibody is un-conjugated
Application:	Flow Cytometry (FACS)

## **Product Details**

Immunogen:	Ag8.653 myeloma cells
Clone:	A59
Isotype:	IgG1 kappa
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.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

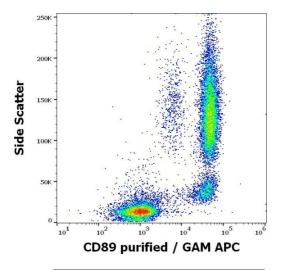
## **Target Details**

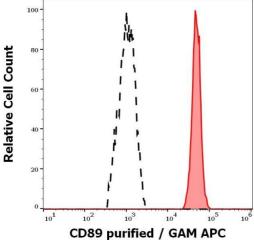
Target:	FCAR
Alternative Name:	CD89 (FCAR Products)
Background:	Fc fragment of IgA receptor,CD89 (Fc-alpha-R) is a type I transmembrane glycoprotein serving as a receptor for IgA. Soluble CD89 is detectable in serum and retains its IgA binding capacity. For signal transduction the association with FcR gamma chain homodimers is needed. CD89 is expressed on granulocytes, monocytes, macrophages, dendritic cells and myeloid cell lines. Its expression is upregulated in presence of IgA immune complexes, stimulators (such as LPS, PMA), TNF alpha, IL1 beta or GM-CSF, and it is downregulated in presence of TGF beta and suramin. Binding of IgA-opsonized targets to CD89 leads to phagocytic and cytotoxic processes of the immunologic defense.,FcalphaRI, FcAR, CTB-61M7.2
Gene ID:	2204
UniProt:	P24071

## **Application Details**

Application Notes:	Flow cytometry: Recommended dilution: 1-4 μg/mL.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/ml

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.





## **Flow Cytometry**

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD89 (A59) purified antibody (concentration in sample 3  $\mu$ g/mL) GAM APC.

#### **Flow Cytometry**

**Image 2.** Separation of human neutrophil granulocytes (red-filled) from CD89 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD89 (A59) purified antibody (concentration in sample  $3 \mu g/mL$ ) GAM APC.