Mouse anti-CD89, clone A59 (Monoclonal)

Clone no. A59

MONOSAN

Product name	Mouse anti-CD89, clone A59 (Monoclonal)
Host	Mouse
Applications	FC
Species reactivity	Human, Non-human primates
Conjugate	FITC
Immunogen	Ag8.653 myeloma cells
Isotype	IgG1 kappa
Clonality	Monoclonal
Clone number	A59
Size	100 tests
Concentration	-
Format	-
Storage buffer	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Product datasheet MON23002F

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Additional info

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. Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests. Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

References

1. Barratt J et al. Kidney Int 2000; 57: 1936-48
2. Wu J et al. J Immunol 2007; 178: 3973-82
3. Rogers KA et al. Immunology 2004; 113:178-86
4. van Egmond M et al. Cancer Res 2001; 61: 4055-60
5. Schenk M et al. J Clin Invest 2007; 117: 3097-106

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