

Product data sheet

Product number	010008A01
Antibody specificity	The EC1 domain of Immunoglobulin alpha Fc receptor (Fc α R1, CD89) extracellular region
Species reactivity	Human
UniProt/GenelD	P24071/2204
Clone number	MIP8a
Immunogen	Soluble CD89
Antibody isotype	Mouse IgG1
Antibody form	Intact antibody
Concentration	1 mg/ml in PBS containing 0.09% sodium azide as a preservative
Applications	Inhibition of CD89 functions; primary antibody for flow cytometry and immunofluorescent staining These are applications that have been tested. It does not mean that the antibody cannot be used for other applications.

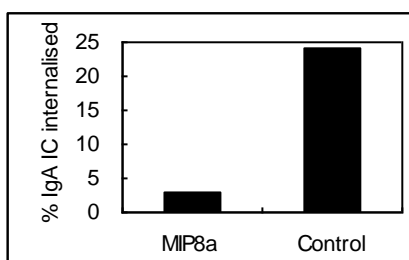


Figure 1. Neutrophil phagocytosis of IgA immune complexes in presence or absence (control) of MIP8a

Suggested working concentrations	Inhibition of CD89 functions: 4 μ g per 4×10^5 cells Flow cytometry: 10 μ g/ml Immunofluorescent staining: 10 μ g/ml Optimal concentrations should be determined by the end user
Preparation	IgG is purified through a Protein A column
Store	4 $^{\circ}$ C for 1 month, -20 $^{\circ}$ C or -80 $^{\circ}$ C in aliquots. Avoid repeated freeze/thaw cycles.
Safety information	This product contains sodium azide which is hazardous
References	<ol style="list-style-type: none"> Zhang W, Bi B, Oldroyd RG and Lachmann PJ. Neutrophil lactoferrin release induced by IgA immune complexes differed from that induced by cross-linking of fcalpha receptors (FcalphaR) with a monoclonal antibody, MIP8a. Clin. Exp. Immunol. 2000;121:106-111. Peng M, Yin N, Zhang W. Endocytosis of FcαR is clathrin and dynamin dependent, but its cytoplasmic domain is not required. Cell Res. 2010;20:223-37.