

## Product datasheet for **SM1198PS**

### CD89 (FCAR) Mouse Monoclonal Antibody [Clone ID: MIP8a]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MIP8a
Applications:	ELISA, FC, IP, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot.</b> <b>Immunoprecipitation.</b> <b>Flow Cytometry:</b> Use 10 µl of 1/50-1/100 diluted antibody to label 10e6 cells or 100 µl whole blood.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant soluble Human Fc alpha R
Specificity:	This antibody recognises the CD89 cell surface antigen. Clone MIP8a blocks binding of IgA to the Fc alpha R, and also inhibits neutrophil phagocytosis of IgA complexes. The preservative free format of this antibody (product code SM1198A) is recommended for functional studies.
Formulation:	PBS containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Fc fragment of IgA receptor
Database Link:	<a href="#">Entrez Gene 2204 Human P24071</a>



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**Background:**

CD89 cell surface antigen is a 50-70kD glycoprotein that is also known as the IgA receptor. CD89 is expressed by peripheral blood neutrophils and monocytes. Human CD89 is present on a number of cell types, including neutrophils, monocytes, macrophages, and eosinophils. FCAR interacts with aggregated IgAs, such as IgA coated on the surface of an invading microorganism, and mediates several immunologic defense processes such as phagocytosis, antibody dependent cell mediated cytotoxicity, and stimulation of the release of inflammatory mediators. FCAR is a glycoprotein of 50 to 100 kD, with diversity on different cell types.

**Synonyms:**

IgA Fc receptor