

## Product datasheet for **SM1856F**

### Anpep Rat Monoclonal Antibody [Clone ID: R3-63]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	R3-63
Applications:	FC
Recommended Dilution:	Flow cytometry: neat - 1/5; use 10 µl of the suggested working dilution to label 10e6 cells in 100µl; The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Mouse intestinal APN. Spleen cells from immunised mice were fused with cells of the IR983F rat myeloma cell line.
Specificity:	This antibody recognises aminopeptidase N (APN), a cell surface protein homologous with human CD13. Clone R3-63 has been reported to block mouse APN enzyme activity. We recommend the use of SM1856A for this purpose.
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
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. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	alanyl (membrane) aminopeptidase



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**Database Link:** [Entrez Gene 16790 Mouse P97449](#)

**Background:** In the mouse, CD13 is a non-covalently linked homodimer of approximately 150kD subunits expressed by a variety of cells including monocytes, macrophages, dendritic cell and veiled cells.

**Synonyms:** Aminopeptidase N, ANPEP, APN, PEPN