

Monoclonal Antibody to CD13 - FITC

Alternate names:	ANPEP, APN, Alanyl aminopeptidase, Aminopeptidase M, Aminopeptidase N, Microsomal aminopeptidase, Myeloid plasma membrane glycoprotein CD13, PEPN, gp150
Catalog No.:	SM1856FX
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
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.
Uniprot ID:	P97449
NCBI:	NP_032512.2
GeneID:	16790
Host / Isotype:	Rat / IgG2a
Clone:	R3-63
Immunogen:	Mouse intestinal APN. Spleen cells from immunised mice were fused with cells of the IR983F rat myeloma cell line.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: 1/5; Use 10µl 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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
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. Species: Mouse. Other species not tested.
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. Shelf life: one year from despatch.
Product Citation:	Purified antibody is cited in: 1. Flavio Curnis, Anna Gasparri, Angelina Sacchi, Angela Cattaneo, Fulvio Magni, and

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
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Angelo Corti Targeted Delivery of IFNgamma to Tumor Vessels Uncouples Antitumor from Counterregulatory Mechanisms *Cancer Res.*, Apr 2005; 65: 2906 - 2913.

- General References:**
1. Hansen, A. S. et al. (1993) A mouse aminopeptidase N is a marker for antigen-presenting cells and appears to be co-expressed with major histocompatibility complex class II molecules. *Eur. J. Immunol.* 23: 2358 - 2364.
 2. Larsen, S .L. et al. (1996) T cell responses affected by aminopeptidase N (CD13) - mediated trimming of major histocompatibility complex. *J. Exp. Med.* 184: 183 - 189.

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