

CD13 Monoclonal Antibody (Tük 1), FITC

Catalog NumberMA1-35080

Product data sheet

Details		Species Reactivity	
Size	500 µL	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Published species	Human
Class	Monoclonal	Tested Applications	
Type	Antibody	Flow Cytometry (Flow)	Dilution * Assay-dependent
Clone	Tük 1	Published Applications	
Immunogen	CD13.	Miscellaneous PubMed (Misc)	See 1 publications below
Conjugate	FITC	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	Conc. Not Determined		
Purification	purified		
Storage buffer	PBS with BSA		
Contains	0.1% sodium azide		
Storage Conditions	4° C, store in dark		

Background/Target Information

CD13 (ANPEP) is a 150-170 kDa type II transmembrane zinc-binding ectopeptidase expressed on various cell types. CD13 is a metalloprotease that preferentially catalyzes removal of neutral amino acids from small peptides, thus activating or inactivating bioactive peptides. CD13 also has a role in extracellular matrix degradation, antigen processing and signal transduction, is important in inflammatory responses, regulates intercellular contact, cell motility and vascularization. CD13 is expressed by granulocytes, monocytes, myeloid leukemia cells, and is involved in protection of leukemic cells against apoptosis and its expression associated with poor prognosis of carcinomas. CD13 functions as an aminopeptidase enzyme and is also alpha receptor for coronavirus.

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PubMed References For CD13 Monoclonal Antibody (Tük 1), FITC

1 Miscellaneous PubMed References

Species / Dilution	Summary
Human / Not Cited	MA1-35080 was used in flow cytometry to test if adiponectin affects lymphohematopoiesis.
	Journal of immunology (Baltimore, Md. : 1950) (2003; 171: 5091)
	"Adiponectin, a fat cell product, influences the earliest lymphocyte precursors in bone marrow cultures by activation of the cyclooxygenase-prostaglandin pathway in stromal cells." Author(s):Yokota T,Meka CS,Kouro T,Medina KL,Igarashi H,Takahashi M,Oritani K,Funahashi T,Tomiyama Y,Matsuzawa Y,Kincade PW PubMed Article URL: http://dx.doi.org/10.4049/jimmunol.171.10.5091

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