

CD13 (APN/1464)

Type	Size	Catalog number
unconjugated	100µg	103801
	500µg	103803
FITC	25 tests	103814
	100 tests	103815
	200 tests	103816
PE	25 tests	103824
	100 tests	103825
	200 tests	103826
PerCP-Cyanine 5.5	25 tests	103864
	100 tests	103865
	200 tests	103866

Antigen:	CD13
Immunogen:	Recombinant human CD13 protein
Host/Isotype:	Mouse, IgG1, κ
Reactivity:	Human
Purity:	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation:	PBS, pH7.2, 0.09%NaN ₃ (unconjugated) PBS, pH7.2, 0.09% NaN ₃ and 0.2% (w/v) BSA (conjugated)
Storage:	Store at 2-8°C and protected from prolonged exposure to light. Do not freeze.
Applications:	Flow Cytometry

Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

Antigen Information

Clone APN/1464 recognizes cell surface CD13 antigen, a 150kDa membrane glycoprotein. The CD13 antigen is highly expressed on myeloid-derived hematopoietic cells including granulocytes, monocytes, mast cells, and GM-progenitor cells. CD13 abundantly expresses on most of the malignant cells of myeloid origin such as AML, CML and on a smaller subset of cancer cells of lymphoid origin. Normal lymphocytes, platelets and erythrocytes do not express CD13. CD13 plays an important role in phagocytosis, in the bactericidal/tumoricidal immune process, and in the metabolism of biologically active peptides. It also serves as a receptor for human coronaviruses (HCV).

References

1. Koch AE, et. al. 1990. Pathobiology, 58:241-8.
2. Koch AE, et. al. American Journal of Pathology, 1991, 138(1):165-73.
3. Schlossman SF, et. al. 1995. Leucocyte Typing V Oxford University Press, Oxford, p771.
4. Sievers EL et al 1999. Blood, 93:3678-3684

Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.