Caprico Biotechnologies

TECHNICAL DATA SHEET

CD13 (APN/1464)

Analyte Specific Reagent (ASR)*

Type	Number of tests	Volume per test (µL)	Total volume (µL)	Catalog number
FITC	50	5	250	4038012
	100	5	500	4038015
APC	50	5	250	4038042
	100	5	500	4038045
PE-Cyanine7	50	5	250	4038082
	100	5	500	4038085
PerCP-Cyanine5.5	50	5	250	4038062
	100	5	500	4038065
APC-Cyanine7	50	5	250	4038092
	100	5	500	4038095

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 and 0.2% (w/v) BSA
Storage: Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**
Applications: Flow Cytometry.

Antigen Information

Clone APN/1464 recognizes cell surface CD13 antigen, a 150kDa membrane glycoprotein. The CD13 antigen is highly expressed mostly 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 also on smaller subset of cancer cells of lymphoid origin. Normal lymphocytes, platelets and erythrocytes do not express CD13. CD13 plays important role in metabolism of biologically active peptides, in phagocytosis, and in bactericidal/tumoricidal immune process. 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*

*****Analyte Specific Reagent. The analytical and performance characteristics of this ASR product are not established.

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