

Mouse anti-CD13, clone EBS-CD-012 (Monoclonal)

Clone no. EBS-CD-012

MONOSAN

Product name	Mouse anti-CD13, clone EBS-CD-012 (Monoclonal)
Host	Mouse
Applications	FC, IHC-fr, IHC-P, IF, WB
Species reactivity	human
Conjugate	-
Immunogen	human AML cells
Isotype	IgG1-K
Clonality	Monoclonal
Clone number	EBS-CD-012
Size	100 ug
Concentration	100 ug/ml
Format	-
Storage buffer	PBS with 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

EBS-CD-12 recognizes an extracellular epitope on an integral membrane glycoprotein of 150 kDa, identified as CD13 (also known as aminopeptidase-N). CD13 is present on most cells of myeloid origin including granulocytes, monocytes, mast cells, and GM-progenitor cells. It is also expressed by the majority of AML, CML in myeloid blast crisis, and in a smaller fraction of lymphoid leukemias. CD13 is also present on fibroblasts; endothelial cells, epithelial cells from renal proximal tubules and intestinal brush border, bone marrow stromal cells, osteoclasts, and cells lining bile duct canaliculi. CD13 plays a role in metabolism of biologically active peptides, in phagocytosis, and in bactericidal/tumoricidal activities. It also serves as a receptor for human coronaviruses (hCoV) and human cytomegalovirus (hCMV).

References

1. Favaloro EJ, et al., Exp Hematol. 13:1695-701 (1993)
2. Favaloro EJ, et al., Clin Chim Acta.220(1):81-90 (1993)
3. Lachance C., et al. J Virol. 72(8):6511-9. (1998)
4. Koch AE, et. al. Am J Pathol. 138(1): 165-73.(1991)
5. Principe, S. et al, Proteome Res. 6;11(4): 2386-96 (2012)

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