

Mouse anti-CD13, clone 38C12 (monoclonal)

Clone no. 38C12

MONXtra

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Product name	Mouse anti-CD13, clone 38C12 (monoclonal)
Host	Mouse
Applications	IHC-P (1:80)
Species reactivity	human
Conjugate	-
Immunogen	Recombinant prokaryotic fusion protein corresponding to the C-terminal region of the extracellular domain.
Isotype	IgG1
Clonality	Monoclonal
Clone number	38C12
Size	1 ml
Concentration	Greater than or equal to 19 mg/L
Format	-
Storage buffer	Tissue culture supernatant with 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**

CD13 antigen, also known as aminopeptidase N, is a member of type II integral membrane metalloproteases, which also includes the leukocyte antigens CD10, CD26, CD73 and BP-1. CD13 antigen is a receptor for the coronaviruses which cause respiratory disease in humans and several animal species. The antigen functions as a zinc-binding metalloprotease which plays a role in cell surface antigen presentation by trimming the N-terminal amino acids from MHC class II-bound peptides. CD13 antigen is reported to be expressed on granulocytes, monocytes and their precursors, most acute myeloid leukemias and a smaller proportion of acute lymphoid leukemias. Non-hematopoietic cells which express CD13 antigen include epithelial cells, renal proximal tubules, intestinal brush border, endothelial cells, fibroblasts, brain cells, bone marrow, osteoclasts and cells lining the bile canaliculi.

**References**

1. Terauchi M et al. BMC Cancer 2007; 7:140
2. Agis H et al. Journal of Clinical Pathology 2006; 59 (4):396-402
3. Röcken C et al. Journal of Clinical Pathology 2005; 58 (10):1069-1075
4. -
5. -

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