

## Product datasheet

### anti-CD13 mouse monoclonal, EBS-CD-012, purified

#### Short overview

<b>Cat. No.</b>	691562
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1 kappa
<b>Clone</b>	EBS-CD-012
<b>Immunogen</b>	AML cells
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	P15144 (Human)
<b>Synonym</b>	Aminopeptidase N, AP-N, hAPN, EC 3.4.11.2, Alanyl aminopeptidase, Aminopeptidase M, AP-M, Microsomal aminopeptidase, Myeloid plasma membrane glycoprotein CD13, gp150, CD antigen CD13, ANPEP, APN, CD13, PEPN
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	FACS, ICC/IF, IHC, WB
<b>Reactivity</b>	Human

#### Applications

<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<b>Immunocytochemistry (ICC)</b>	1:100-1:200 (0.5-1.0 µg/ml)
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)
<b>Immunohistochemistry (IHC) - paraffin</b>	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
<b>Western Blot (WB)</b>	1:50-1:100 (1-2 µg/ml)

#### Background

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

PROGEN Biotechnik GmbH | Maaßstraße 30 | D-69123 Heidelberg

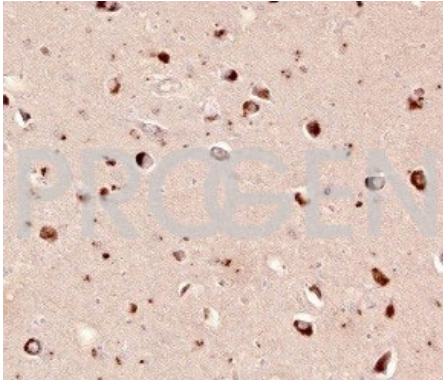
Tel.: +49 (0) 6221 8278-0 | Fax: +49 (0) 6221 8278-24 | Email: info@progen.com | Web: www.progen.com

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activities. It also serves as a receptor for human coronaviruses (hCoV) and human cytomegalovirus (hCMV).

Positive control: human lymph node, tonsil or brain.

## Product images



Human brain