

Product datasheet

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

Short overview

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

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	EBS-CD-012
Immunogen	AML cells
Formulation	PBS with 0.02% sodium azide
UniprotID	P15144 (Human)
Synonym	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
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC, WB
Reactivity	Human

Applications

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

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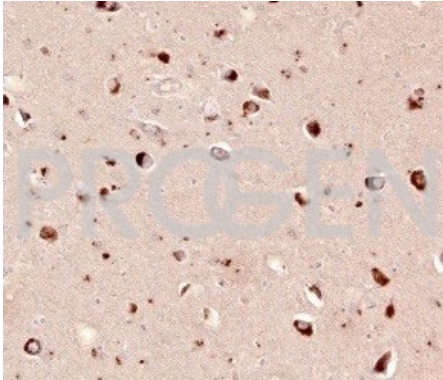
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activities. It also serves as a receptor for human coronaviruses (hCoV) and human cytomegalovirus (hCMV).

Positive control: human lymph node, tonsil or brain.

Product images



Human brain