



# Magic™ Anti-ANPEP monoclonal antibody, clone XM-48 [FITC] (DMAB5163MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	The Anti-ANPEP conjugates, have been produced from a purified monoclonal mouse antibody. is intended for use in flow cytometry. Anti-ANPEP is considered essential for the initial evaluation of acute myeloid leukaemias together with a panel of other antibodies.
<b>Specificity</b>	Anti-ANPEP, was included in the Fourth and Fifth International Workshop and Conference on Leucocyte Differentiation Antigens and studies by a number of laboratories confirmed its reactivity with the CD13 antigen. Anti-ANPEP, reacts with CFU-GM cells, normal granulocytic and monocytic cells at all stages of differentiation. It does not react with lymphocytes and platelets. Flow cytometric analysis demonstrated that Anti-ANPEP, labels acute myeloid leukaemia and chronic myeloid leukaemia in myeloid blast crisis. It does not react with common acute lymphoblastic leukaemia or T-cell acute lymphoblastic leukaemia.
<b>Immunogen</b>	Leukaemic cells from a case of chronic myeloid leukaemia (CML).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	XM-48
<b>Conjugate</b>	FITC
<b>Format</b>	liquid form in buffer containing 1% bovine serum albumin (BSA) and 15 mmol/L NaN <sub>3</sub> , pH 7.2.
<b>Preservative</b>	15 mmol/L Sodium Azide
<b>Storage</b>	Store in the dark at 2°C-8°C. Do not use after expiration date stamped on vial. If reagents are stored under any conditions other than those specified, the conditions

must be verified by the user. There are no obvious signs to indicate instability of this product. Therefore, positive and negative controls should be run simultaneously with patient specimens.

## GENE INFORMATION

Gene Name	<a href="#">ANPEP alanyl(membrane) aminopeptidase [ Homo sapiens ]</a>
Official Symbol	ANPEP
Synonyms	APN; CD13; LAP1; P150; PEPN; GP150; aminopeptidase N; AP-M; AP-N; hAPN; aminopeptidase M; EC3.4.11; p150; OTTHUMP00000194690; alanylaminopeptidase; microsomalaminopeptidase; myeloid plasma membrane glycoprotein CD13; EC 3.4.11.2; gp150; CD13 antigen
Entrez Gene ID	<a href="#">290</a>
Protein Refseq	<a href="#">NP_001141</a>
UniProt ID	<a href="#">A0A024RC61</a>
Chromosome Location	15q25-q26
Pathway	C-MYB transcription factor network; Glutathione metabolism; Hematopoietic cell lineage; Metabolic pathways; Renin-angiotensin system
Function	aminopeptidase activity; metal ion binding; metalloproteinase activity; peptidase activity; peptide binding; receptor activity; zinc ion binding