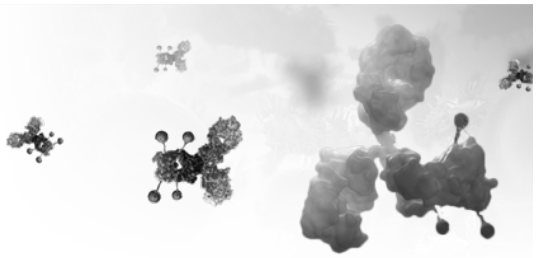

Anti-ANPEP monoclonal antibody, clone ER-BMDM1 (CABT-45562RM)

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

PRODUCT INFORMATION

Product Overview	Rat anti Mouse CD13 antibody, clone ER-BMDM1 recognizes the murine homologue of human CD13, a 160kD cell surface antigen with aminopeptidase N activity. In steady state mice, the CD13 antigen is expressed primarily by dendritic cell and mature macrophage subpopulations. The level of CD13 antigen expression increases with maturation, after the monocytic stage. Bone marrow cells and peripheral blood monocytes are reported to be CD13 negative while thioglycollate-elicited macrophages express high levels of CD13. Dendritic cells, interdigitating dendritic cells, veiled cells and Langerhans cells all express CD13, which is reported to be involved in the development of immature dendritic cells from monocytes. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
Specificity	ANPEP
Immunogen	Balb/c bone marrow derived macrophages.
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	ER-BMDM1
Conjugate	Unconjugated
Applications	IHC-Fr; FC
Format	Purified IgG - liquid
Size	250 µg
Preservative	See individual product datasheet

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Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Anpep alanyl (membrane) aminopeptidase [Mus musculus (house mouse)]
Official Symbol	ANPEP
Synonyms	ANPEP; alanyl (membrane) aminopeptidase; Apn; AP-M; AP-N; Cd13; P150; aminopeptidase N; aminopeptidase M; alanyl aminopeptidase; aminopeptidase N/CD13; membrane protein p161; microsomal aminopeptidase;
Entrez Gene ID	16790
Protein Refseq	NP_032512
UniProt ID	P97449
Chromosome Location	7 D3; 7
Pathway	Glutathione and one carbon metabolism; Glutathione metabolism; Hematopoietic cell lineage; Metabolic pathways; Metabolism of Angiotensinogen to Angiotensins; Metabolism of proteins; Peptide hormone metabolism; Renin-angiotensin system;
Function	aminopeptidase activity; hydrolase activity; metal ion binding; metallopeptidase activity; peptidase activity; peptide binding; zinc ion binding;

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