

Rat CD13 Monoclonal Antibody | anti-CD13 antibody

RAT ANTI MOUSE CD13

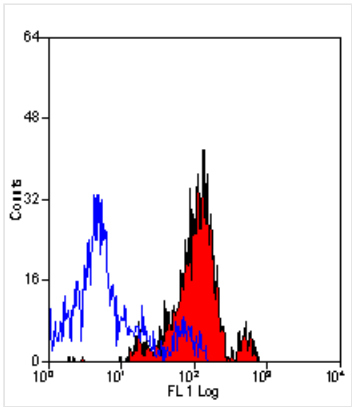
CATALOG # AAA12144	HOST Rat	APPLICATIONS Immunohistochemistry, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

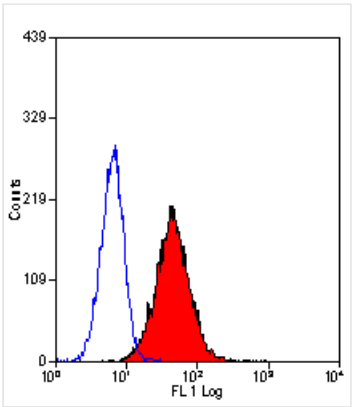
CD13; Monoclonal Antibody; RAT ANTI MOUSE CD13; anti-CD13 antibody

PRODUCT SPECIFICATIONS

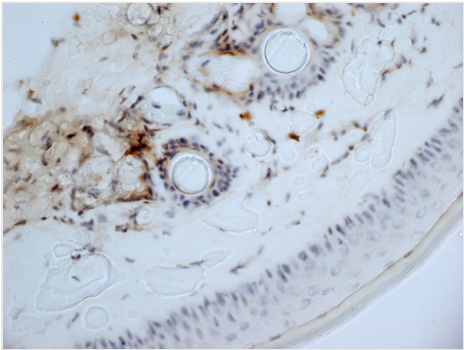
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	ER-BMDM1
Purity/Purification	Affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Purified IgG - liquid; Phosphate buffered saline
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	966
Applicable Applications for anti-CD13 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Flow Cytometry: Minimum Dilution: 1/10; Maximum Dilution: 1/50 Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.
Perservative Stabilizers	0.09% Sodium Azide
Immunogen	Balb/c bone marrow derived macrophages
Target Species	Mouse
Carrier Free	Yes
Fusion Partners	Cells from immunized rats were fused with cells of the rat Y3-Ag1.2.3 myeloma cell line
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. 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. Shelf Life: 18 months from date of despatch.



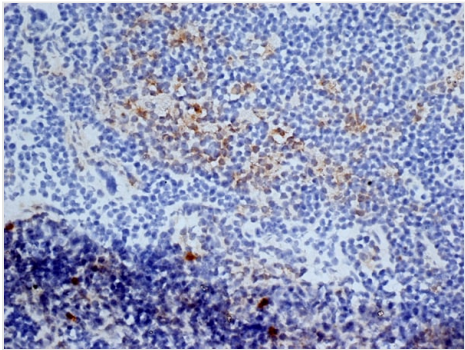
Application Data
Staining of mouse peripheral blood granulocytes with Rat anti Mouse CD13



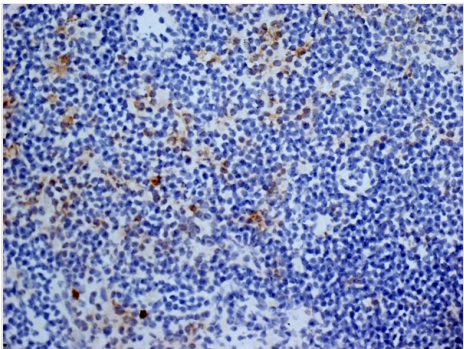
Application Data
Staining of J774 cells with Rat anti Mouse CD13:Alexa Fluor 488 (AAA12144A488)



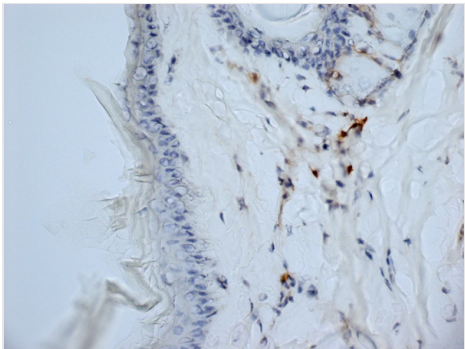
Application Data
Immunoperoxidase staining of a mouse tail cryosection with Rat anti Mouse CD13 antibody, clone ER-BMDM1 followed by horseradish peroxidase conjugated Goat anti Rat IgG Low power



Application Data
Immunoperoxidase staining of a mouse lymph node cryosection with Rat anti Mouse CD13 antibody, clone ER-BMDM1 followed by horseradish peroxidase conjugated Goat anti Rat IgG Medium power



Application Data
Immunoperoxidase staining of a mouse lymph node cryosection with Rat anti Mouse CD13 antibody, clone ER-BMDM1 followed by horseradish peroxidase conjugated Goat anti Rat IgG High power



Application Data
Immunoperoxidase staining of a mouse tail cryosection with Rat anti Mouse CD13 antibody, clone ER-BMDM1 followed by horseradish peroxidase conjugated Goat anti Rat IgG High power

ADDITIONAL INFORMATION

Related Product Information for anti-CD13 antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	225637487
NCBI GeneID	16790
NCBI Accession #	NP_032512.2
NCBI GenBank Nucleotide #	NM_008486.2
UniProt Accession #	P97449; Q91YH8; Q99K63
NCBI Official Full Name	aminopeptidase N
NCBI Official Synonym Full Names	alanyl (membrane) aminopeptidase
NCBI Official Symbol	Anpep
NCBI Official Synonym Symbols	Apn; AP-M; AP-N; Cd13; P150
NCBI Protein Information	aminopeptidase N; alanyl aminopeptidase; aminopeptidase M; aminopeptidase N/CD13; membrane protein p161; microsomal aminopeptidase
UniProt Protein Name	Aminopeptidase N
UniProt Gene Name	Anpep
UniProt Synonym Gene Names	Lap-1; Lap1; AP-N; mAPN; AP-M
UniProt Entry Name	AMPN_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd13-antibody-clone-er-bmdm1-immunohistochemistry-flow-cytometry-elisa/12144>