Rat CD13 Monoclonal Antibody | anti-CD13 antibody

RAT ANTI MOUSE CD13:RPE

CATALOG #	HOST	APPLICATIONS
AAA12037	**Rat**	**Flow Cytometry, Functional Assay**

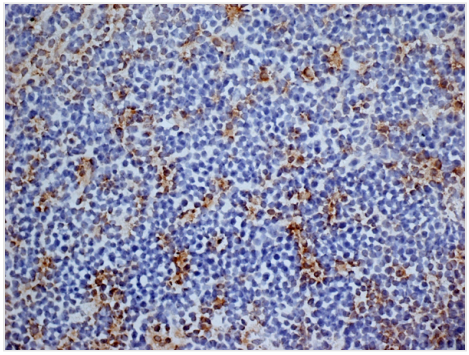
PRODUCT SYNONYMS

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

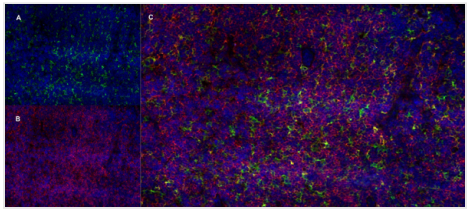
PRODUCT SPECIFICATIONS

Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	R3-63
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Sequence Length	966
Applicable Applications for anti-CD13 antibody	FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. This may be reduced by using SeroBlock FcR. **Flow Cytometry:** Maximum Dilution: Neat
Reconstitution	Reconstitute with 1.0 ml distilled water Perservative Stabilisers
Immunogen	Mouse intestinal APN Fusion Partners
Target Species	Mouse
Preparation and Storage	Prior to reconstitution store at 4 degree C. Following reconstitution store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution.

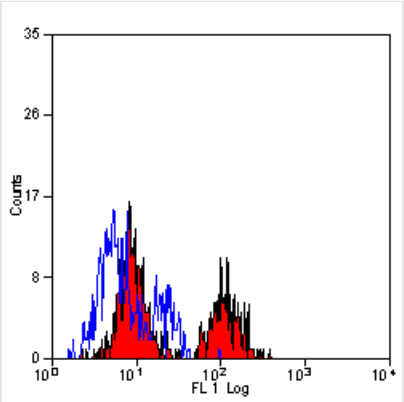
IMAGES



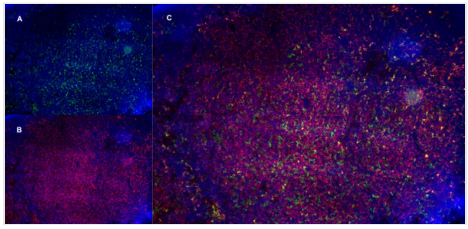
Application Data
Immunoperoxidase staining of mouse lymph node cryosection eith Rat anti Mouse antibody clone R3-63 followed by horseradish peroxidase Goat anti Rat IgG antibody . Medium power



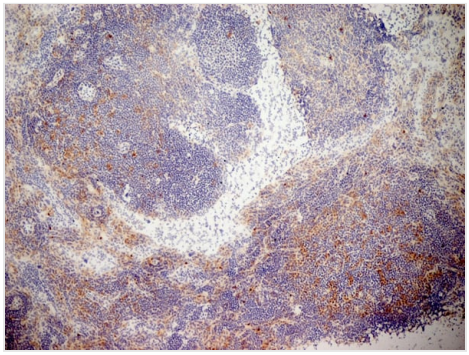
Application Data
Immunofluorescence staining of a mouse lymph node cryosection with Rat anti Mouse CD13 antibody, clone R3-63 , green in A and Rat anti Mouse CD8, clone YTS105.18 , red in B. Cis the merged image with nuclei counterstained blue using DAPI. Medium power



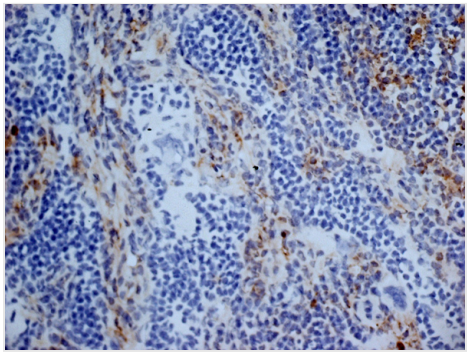
Application Data
Staining of mouse peripheral blood mononuclear cells with Rat anti Mouse CD13: Alexa Fluor 488



Application Data
Immunofluorescence staining of a mouse lymph node cryosection with Rat anti Mouse CD13 antibody, clone R3-63 , green in A and Rat anti Mouse CD8, clone YTS105.18 , red in B. Cis the merged image with nuclei counterstained blue using DAPI. Low power



Application Data
Immunoperoxidase staining of mouse lymph node cryosection eith Rat anti Mouse antibody clone R3-63 followed by horseradish peroxidase Goat anti Rat IgG antibody . Low power



Application Data
Immunoperoxidase staining of mouse lymph node cryosection eith Rat anti Mouse antibody clone R3-63 followed by horseradish peroxidase Goat anti Rat IgG antibody . High power

ADDITIONAL INFORMATION

Related Product Information for anti-CD13 antibody	Rat anti Mouse CD13 antibody, clone R3-63 recognizes mouse aminopeptidase N (APN), a cell surface protein homologous with human CD13. In the mouse, CD13 is a non-covalently linked homodimer of approximately 150kDa subunits expressed by a variety of cells including monocytes, macrophages, dendritic cell and veiled cells. Rat anti Mouse CD13 antibody, clone R3-63 has been reported to block mouse APN enzyme activity (Kamoun et al. 2009).

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
Molecular Weight	109,651 Da
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-r3-63-flow-cytometry-elisa/12037