

Rat anti-Mouse CD45R/B220 Monoclonal Antibody | anti-CD45R/B220 antibody

Anti-Mouse CD45R/B220 Monoclonal Antibody (FITC Conjugated) [RA3.3A 1/6.1]

CATALOG # AAA174748	HOST Rat	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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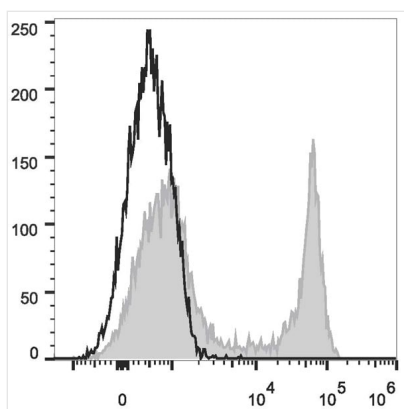
PRODUCT SYNONYMS

CD45R/B220; Monoclonal Antibody; Anti-Mouse CD45R/B220 Monoclonal Antibody (FITC Conjugated) [RA3.3A 1/6.1]; B220; CD45; GP180; LCA; T200; anti-CD45R/B220 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgM
Clone Number	RA3.3A 1/6.1
Form/Format	PBS with 0.05% Proclin300, 1% BSA
Sequence Length	1293
Applicable Applications for anti-CD45R/B220 antibody	FCM/FACS (Flow Cytometry)
Conjugation	FITC
Preparation and Storage	Store at 2-8 degree C and protect from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

C57BL/6 murine splenocytes are stained with Anti-Mouse CD45R/B220 Monoclonal Antibody(FITC Conjugated)(filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

ADDITIONAL INFORMATION

Related Product Information for anti-CD45R/B220 antibody	CD45, also known as leukocyte common antigen (LCA), B220, and T200, is a 180-2CD45R, also known as B220, is an isoform of CD45. It is a member of the protein tyrosine phosphatase (PTP) family with a molecular weight of approximately 180-240 kD. CD45R is expressed on B cells (at all developmental stages from pro-B cells through mature B cells), activated B cells, and subsets of T and NK cells. CD45R (B220) is also expressed on a subset of abnormal T cells involved in the pathogenesis of systemic autoimmunity in MRL-Fas ^{lpr} and MRL-Fas ^{gld} mice. It plays a critical role in TCR and BCR signaling. The primary ligands for CD45 are galectin-1, CD2, CD3, and CD4. CD45R is commonly used as a pan-B cell marker; however, CD19 may be more appropriate for B cell specificity. 40 kD single chain type I membrane glycoprotein. It is a tyrosine phosphatase expressed on the plasma membrane of all hematopoietic cells, except erythrocytes and platelets. CD45 is a signaling molecule that regulates a variety of cellular processes including cell growth, differentiation, cell cycle, and oncogenic transformation. CD45 is one of the best negative selection markers for characterizing and/or isolating human mesenchymal stem cells from bone marrow and other sources. s.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1375383927
NCBI GeneID	192645788
UniProt Accession #	P06800; P08575
NCBI Official Full Name	Receptor-type tyrosine-protein phosphatase C
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase C
UniProt Gene Name	Ptprc
UniProt Synonym Gene Names	Ly-5
UniProt Entry Name	PTPRC_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/cd45r-b220-antibody-clone-ra3-3a-1-6-1-flow-cytometry-elisa/174748>