

Mouse anti-Mouse CD45.2 Monoclonal Antibody | anti-CD45.2 antibody

Anti-Mouse CD45.2 Monoclonal Antibody (Alexa Fluor 647 Conjugated)

CATALOG # AAA174654	HOST Mouse	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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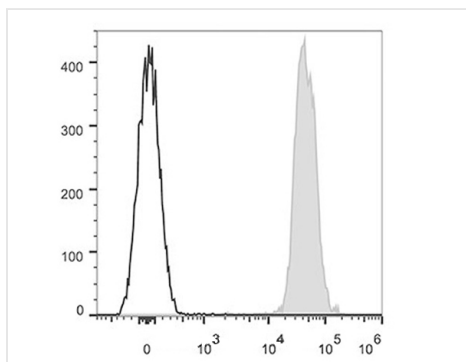
PRODUCT SYNONYMS

CD45.2; Monoclonal Antibody; Anti-Mouse CD45.2 Monoclonal Antibody (Alexa Fluor 647 Conjugated); Ly-5.2; LCA; anti-CD45.2 antibody

PRODUCT SPECIFICATIONS

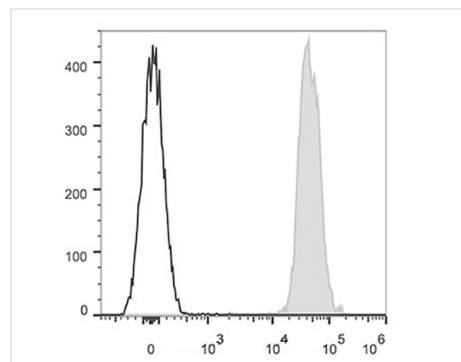
Host	Mouse
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	104.2
Form/Format	Liquid; PBS with 0.05% Proclin300, 1% BSA
Sequence Length	1293
Applicable Applications for anti-CD45.2 antibody	FCM/FACS (Flow Cytometry)
Conjugation	Alexa Fluor 647
Preparation and Storage	Store at 2-8 degree C and protected from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

C57BL/6 murine splenocytes are stained with Anti-Mouse CD45.2 Monoclonal Antibody (Alexa Fluor 647 Conjugated) (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.



FCM/FACS (Flow Cytometry)

Flow cytometry antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CD45.2 antibody	CD45.2 is an alloantigen of CD45, expressed by Ly5.2 bearing mouse strains (e.g., A, AKR, BALB/c, CBA/Ca, CBA/J, C3H/He, C57BL, C57BR, C57L, C58, DBA/1, DBA/2, NZB, SWR, 129). CD45, a member of the protein tyrosine phosphatase (PTP) family, is a 180-240 kD glycoprotein expressed on all hematopoietic cells except mature erythrocytes and platelets. There are multiple isoforms in the mouse that play key roles in TCR and BCR signal transduction. These isoforms are very specific to the activation and maturation states of the cell as well as specific cell type. The primary ligands for CD45 are galectin-1, CD2, CD3, CD4, TCR, CD22, and Thy-1.
References	1. Suzuki K, et al. 2000. Immunity 13:691.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1375383927
NCBI GeneID	19264
UniProt Accession #	P06800
NCBI Official Full Name	Receptor-type tyrosine-protein phosphatase C
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, C
NCBI Official Symbol	Ptprc
NCBI Official Synonym Symbols	loc; B220; Cd45; L-CA; Ly-5; T200; CD45R; Lyt-4
NCBI Protein Information	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://www.aaabiotech.com/monoclonal/cd452-antibody-clone-104-2-flow-cytometry-elisa/174654>