

## CD45.1 antibody [A20] (PE-Cy7)

Cat. No. GTX01463-10

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Application	FACS
Reactivity	Mouse

Reference ( 4 )

Package

100 µg

## PRODUCT

## Summary

The A20 antibody reacts with mouse CD45.1, also known as Ly5.1, which is a strain-specific allelic form of the CD45 Leukocyte Common Antigen (LCA). Functionally, CD45 is a protein tyrosine phosphatase whose broad cell distribution supports a critical role in many leukocyte functions, including regulation of signal transduction and cell activation associated with the T cell and B cell receptors. The A20 antibody is typically used as a leukocyte marker in Ly5.1 mouse strains: SJL/J, DA, STS/A and RIII. The antibody has been demonstrated to specific for CD45.1 and is not cross-reactive with CD45.2 bearing cells.

## APPLICATION

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
FACS	Assay dependent

Not tested in other applications.

## PROPERTIES

Form	Liquid
Buffer	10mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Phycoerythrin-Cyanine7 (PE-Cy7)

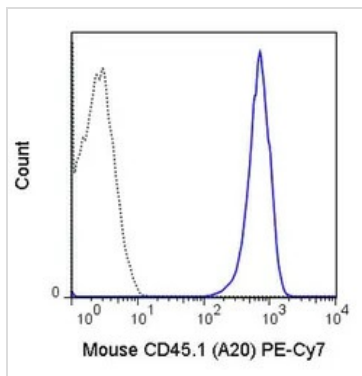
## Note

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**DATA IMAGES**

**GTX01463-10 FACS Image**

FACS analysis of mouse SJL splenocytes using GTX01463-10 CD45.1 antibody [A20] (PE-Cy7).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 1  $\mu$ g (5  $\mu$ l)



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