

PE/Cyanine 5 Anti-Monkey CD45 Antibody[D058-1283]

Catalog Number: AN01063G

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Rhesus
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	D058-1283
Isotype Control	PE/Cyanine5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792G]
Conjugation	PE/Cyanine 5
Conjugation Information	PE/Cyanine 5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

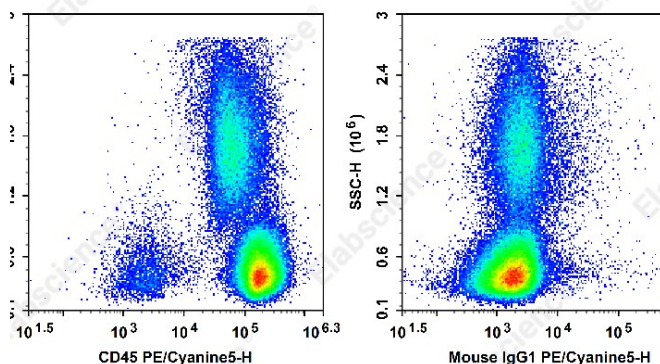
Applications

FCM

Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of normal Rhesus peripheral blood cells with PE/Cyanine 5 Anti-Monkey CD45 Antibody[D058-1283] (left) or PE/Cyanine 5 Mouse IgG1, κ Isotype Control (right). Cells in the Leukocyte gate were used for analysis.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	Pan Leukocyte;NHP-specific;PTPRC;LCA;L-CA;Leukocyte Common Ag
Gene ID	712657;101004607;102116047

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.2

Background

D058-1283 is a CD45 monoclonal antibody specific for non-human primate leucocytes. It was developed using Rhesus peripheral whole blood as the immunogen. It does not cross-react with human leucocytes. This antibody reacts with baboon, Rhesus and Cynomolgus Macaque leucocytes in a similar pattern to CD45 binding to leukocyte common antigen (LCA) on human cells. Immunophenotypic analysis shows that D058-1283 binds to lymphocytes, monocytes and granulocytes of non-human primate blood samples. This antibody is able to block the binding of monoclonal antibody TÛ116; a reported anti-human CD45 antibody that cross-reacts with nonhuman primate leucocytes. In Western blot analysis, the D058-1283 antibody identifies a 180-200 kDa band.

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