

PE/Cyanine5 Anti-Rat CD4(domain 1) Antibody[OX-38]

Catalog Number: E-AB-F1105UG

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

Description

Reactivity	Rat
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone No.	OX-38
Isotype Control	PE/Cyanine5 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09803G]
Conjugation	PE/Cyanine 5
Conjugation Information	PE/Cyanine5 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% sodium azide and 1% BSA.

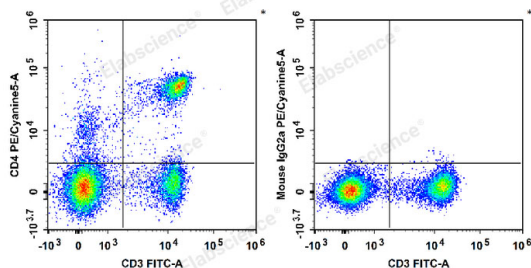
Applications

Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/10⁶ cells in 100 μL volume].

Data



Rat splenocytes are stained with FITC Anti-Rat CD3 Antibody and PE/Cyanine5 Anti-Rat CD4(domain 1) Antibody (Left). Splenocytes are stained with FITC Anti-Rat CD3 Antibody and PE/Cyanine5 Mouse IgG2a, κ Isotype Control (Right).

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	CD4;T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4;domain 1
Uniprot ID	P05540

For Research Use Only

Gene ID

24932

Background

CD4, also known as T4, is a 55kD glycoprotein member of the immunoglobulin superfamily and is expressed on majority of thymocytes, macrophages, and a peripheral T cell subset (T helper cells). CD4 is a T cell co-receptor that interacts with the MHC class II molecule and is involved in T cell activation.