Elabscience®

PE/Cyanine7 Anti-Rat CD4(domain 1) Antibody[OX-38]

Catalog No.E-AB-F1105UHStorageStore at 2~8°C, Avoid freeze / thaw cycles

Reactivity Rat Applications FCM

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

Antigen Information

Alternate Names	T-cell surface glycoprotein CD4,CD4,T-cell surface antigen T4/Leu-3,CD4
Uniprot ID	P05540
Background	CD4, also known as T4, is a 55kD glycoprotein member of the immunoglobin 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.

Product Details

Form	Liquid
Concentration	0.2 mg/mL
Size	25µg/100µg
Clone No.	OX-38
Host	Mouse
Isotype	Mouse IgG2a, ĸ
Reactivity	Rat
Application	FCM
Isotype Control	PE/Cyanine7 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09803H]
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Shipping	Biological ice pack at 4 °C
Stability & Storage	Keep as concentrated solution.
	Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.
	This product is guaranteed up to one year from purchase.

For Research Use Only

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Fluorophore

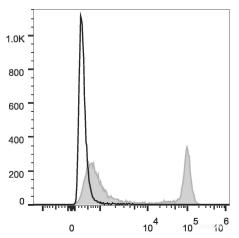
Conjugation: PE/Cyanine7

PE/Cyanine7 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 775 nm (e.g., a 780/60 nm bandpass filter).

Recommended usage

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 $0.1-1 \mu g/10^6$ cells in $100 \mu L$ volume].

Product data



Rat splenocytes are stained with PE/Cyanine7 Anti-Rat CD4(domain 1) Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

Related Information

- 1. Sample Preparation for Flow Cytometry <u>https://www.elabscience.com/List-detail-5594.html</u>
- 2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
- 3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
- 4. How to select the appropriate detection channel through the spectrogram? <u>https://www.elabscience.com/List-detail-459742.html</u>