

PE/Elab Fluor® 594 Anti-Rat CD2 Antibody[OX-34]

Catalog Number: AN00673P

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

Description

Reactivity	Rat
Host	Mouse
Isotype	Mouse IgG2a
Clone No.	OX-34
Isotype Control	PE/Elab Fluor® 594 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802P]
Conjugation	PE/Elab Fluor® 594
Conjugation Information	PE/Elab Fluor® 594 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 620 nm (e.g., a 610/20 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

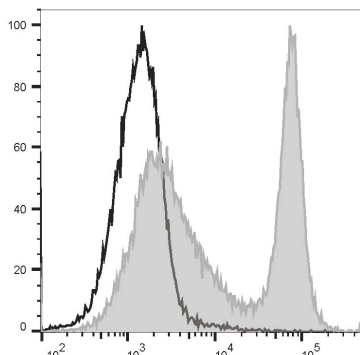
Applications

Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL 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 Rat splenocytes cells with PE/Elab Fluor® 594 Anti-Rat CD2 Antibody[OX-34] (filled gray histogram) or

PE/Elab Fluor® 594 Mouse IgG2a Isotype Control (empty black histogram). Total viable cells 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	LFA-2;T11
Uniprot ID	P08921
Gene ID	497761

For Research Use Only

Background

CD2, also known as LFA-2, is a member of the immunoglobulin gene family with an approximate molecular weight of 45 kD. It is expressed on thymocytes, peripheral T cells, dendritic epidermal T cells, macrophages in the spleen, and NK cells. CD2 can associate with the T cell receptor and participate in T cell activation through adhesion and signal transduction. CD2 binds to CD48, CD58, and CD59. The OX-34 antibody blocks CD48 binding to CD2. It has been reported to partially block T cell activation and inhibit the mixed lymphocyte reaction in vitro. The OX-34 antibody has also been used to deplete peripheral T cells and prevent allograft rejection in vivo.