

APC Anti-Rat CD2 Antibody[OX-34]

Catalog Number: AN00673E

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

Description

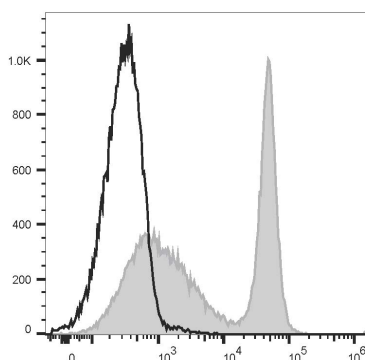
Reactivity	Rat
Host	Mouse
Isotype	Mouse IgG2a
Clone No.	OX-34
Isotype Control	APC Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802E]
Conjugation	APC
Conjugation Information	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 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.
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Data



Staining of Rat splenocytes cells with APC Anti-Rat CD2 Antibody[OX-34] (filled gray histogram) or APC 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

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Rev. V1.2

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.