



[Go to Product page](#)

Datasheet for ABIN133316
anti-CD45RA/B antibody (PE)

Overview

Quantity:	50 µg
Target:	CD45RA/B
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD45RA/B antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Rat purified spleen L-CA . Fusion Partner: NSO/U . Donor: BALB/c spleen
Clone:	OX-33
Isotype:	IgG1
Specificity:	Rat CD45RA/B

Target Details

Target:	CD45RA/B
Alternative Name:	CD45RA/B (CD45RA/B Products)
Background:	Rat Leukocyte Common Antigen has been shown to exist in different forms on different lymphoid cell types. Rat L-CA on thymocytes shows one main band at 180 kDa, T cells show 4 bands at 180, 190, 200 and 220 kDa. ABIN133316 detects a subfraction of the 240 kDa rat L-CA band found only on B lymphocytes. This monoclonal antibody is of particular use in the

Target Details

investigation of the molecular and antigenic heterogeneity of rat L-CA, especially when used in conjunction with other OX antibodies. Four mouse monoclonal antibodies (MRC OX 1, 28, 29 and 30) react with all molecular forms of L-CA and fall into two sets that are non-competitive in binding to L-CA (MRC OX 1, 28, 29 and 30). The antigenic determinants seen by all these antibodies are lost when L-CA is reduced and alkylated. Three antibodies (MRC OX 22, 31, and 32) react selectively with B cells, T cytotoxic cells and about two thirds of T helper cells. OX 22 and OX 31 compete for binding but are non-competitive with OX 32. All of these antibodies bind to a sub-fraction of the 190, 200 and 220 kDa forms of T cell L-CA but not at all to the 180 kDa form of T cells or thymocytes.

Application Details

Restrictions: For Research Use only

Handling

Concentration: 0.5 µg/10 cells

Storage: 4 °C