

CD45RB

CONTACT INFORMATION:	University of Oxford marketed by Ximbio.com
TYPE:	mouse anti human
CLONE NAME:	PD7/26
PROTEIN:	Protein tyrosine phosphatase
PROTEIN WEB:	https://www.omim.org/entry/151460
ANTIGEN USED:	Human PBL maintained in T-cell growth factor
FUSION PARTNER:	P3/NS1/1-Ag4.1
ISOTYPE:	IgG1
SPECIES REACTIVITY:	Human
PREPARATION AND STORAGE:	Aliquot and store at 4C. Do not freeze
COMMERCIALIZED BY:	Ximbio.com
APP RECOMMENDED:	FACS IHC IF WB

DESCRIPTION

PTPRC (CD45) is a transmembrane tyrosine phosphatase that is present on all leukocytes. PTPRC regulates the threshold of T cell antigen receptor (TCR) signaling through dephosphorylation of protein tyrosine kinases (e.g. Lck and Fyn). CD45RB is an isoform of the PTPRC (CD45) protein which is expressed on peripheral B cells, T cytotoxic cells and CD4+ T cells. It has a role in cell signalling regulation through the activation of the Src family of tyrosine kinases. PD7/26 is widely used, in conjunction the CD45 antibody 2B11, to detect white cell-derived tumours in paraffin sections.

PUBLICATION DESCRIBING ANTIBODY CHARACTERIZATION/VALIDATION

N Engl J Med. 1983 Nov 24;309(21):1275-81.

Diagnosis of human lymphoma with monoclonal antileukocyte antibodies.

Warnke RA, Gatter KC, Falini B, Hildreth P, Woolston RE, Pulford K, Cordell JL, Cohen B, De Wolf-Peeters C, Mason DY.

PMID: 6355845

<https://www.ncbi.nlm.nih.gov/pubmed/6355845>