

PTPRC

CONTACT INFORMATION:	University of Oxford marketed by Ximbio.com
TYPE:	mouse anti human
CLONE NAME:	2B11
PROTEIN:	Protein tyrosine phosphatase, receptor type, C (PTPRC, CD45)
PROTEIN WEB:	https://www.omim.org/entry/151460
ANTIGEN USED:	T cell Lymphoma cells
FUSION PARTNER:	P3/NS1/1-Ag4.1
ISOTYPE:	IgG1 kappa
SPECIES REACTIVITY:	Human
PREPARATION AND STORAGE:	Aliquot and store at 4C. Do not freeze
COMMERCIALIZED BY:	Ximbio.com
APP RECOMMENDED:	FACS IHC WB

DESCRIPTION

PTPRC 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). 2B11 is widely used, in conjunction with the CD45RB antibody PD7/26, 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>