

Anti-CD45RB [PD7/26] Standard Size Ab01336-10.0

Developed in partnership with Ximbio (www.ximbio.com).

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: PD7/26

Alternative Name(s) of Target: Receptor-type tyrosine-protein phosphatase C; PTPRC; Leukocyte common antigen; L-CA; T200; CD45; CD45R; LY5; T200 glycoprotein; T200 leukocyte common antigen

UniProt Accession Number of Target Protein: P08575

Published Application(s): FACS, WB, IF, IHC

Published Species Reactivity: Human

Immunogen: This antibody was raised by immunising Balb/c mice with cells from a human peripheral-blood lymphocyte line maintained in T-cell growth factor.

Specificity: This antibody recognises CD45RB which is a transmembrane tyrosine phosphatase that is present on all leukocytes and regulates the threshold of T cell antigen receptor signaling. There are multiple CD45R isoforms resulting from the alternative splicing of this gene. PD7/26 antibody binds to the exon 5.

Application Notes: This antibody has been widely used in the identification of leukocytes (as CD45 is a pan-leukocyte marker) and lymphatic tumours in paraffin-embedded tissue sections. For instance, one group utilised it during the morphological characterisation of patient-derived xenografts via immunohistochemical staining of formalin-fixed, paraffin-embedded samples (Chijiwa et al., 2015). Another group used this antibody for immunofluorescence staining of similarly prepared fibroblast samples in chronic obstructive pulmonary disease (Brand et al., 2015). Finally, Deckert-Schlüter and colleagues (1998) used PD7/26 antibody when researching primary CNS lymphomas.

Antibody First Published in: Warnke et al. Diagnosis of human lymphoma with monoclonal antileukocyte antibodies. N Engl J Med. 1983 Nov 24;309(21):1275-81. [PMID:6355845](#)

Note on publication: This article describes generation and characterisation of PD7/26 antibody.

Product Form

Size:

200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.