

Anti-CD45RB [PD7/26] Bulk Size Ab01336-1.1-BT

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

Isotype and Format: Mouse 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: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.