

Anti-CD45 [YTS165.1] Standard Size Ab01042-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: YTS165.1

Alternative Name(s) of Target: PTPRC; YBM42; YBM/42; YBM42.2.2; Receptor-type tyrosine-protein phosphatase C; L-CA; CD45; Lymphocyte antigen 5; Leukocyte common antigen; T200

UniProt Accession Number of Target Protein: P06800

Published Application(s): Functional Studies, IHC

Published Species Reactivity: Mouse

Immunogen: This antibody was raised by immunising rats with mouse tissue containing CD45 positive cells.

Specificity: This antibody recognises mouse CD45, which is a leukocyte marker.

Application Notes: YTS165.1 antibody might be used to identify various leukocytes. It was used in immunohistochemistry stainings to label mouse spine microglia (Hoek et al., 2000). Hoek and colleagues (2000) incubated WEHI-231P cells with this antibody to investigate the effects of CD45 targeting on bcl-2 expression. Finally, it has also been shown to be synergistic with YW 62.3.

Antibody First Published in: Choi et al. The role of bcl-XL in CD40-mediated rescue from anti-mu-induced apoptosis in WEHI-231 B lymphoma cells. Eur J Immunol. 1995 May;25(5):1352-7. [PMID:7539757](#)

Note on publication: This article describes an early application of the YTS165.1 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.