

Anti-CD45 [YTH54.12] Standard Size Ab00672-8.1

Isotype and Format: Rat IgG2b, Kappa

Clone Number: YTH54.12

Alternative Name(s) of Target: PTPRC; leukocyte common antigen; LCA; CD45; Receptor-type tyrosine-protein phosphatase C; Leukocyte common antigen; L-CA; Itgb2; Lymphocyte antigen 5; Ly-5; T200; protein tyrosine phosphatase receptor type C

UniProt Accession Number of Target Protein: P08575

Published Application(s): Depletion, IP, FC, IF

Published Species Reactivity: Human

Immunogen: Human T-cells injected into DA rats.

Specificity: This antibody binds human CD45, the leukocyte common antigen, at epitope Q2.

Application Notes: This antibody binds to and immunoprecipitates human CD45. In the original rat IgG2b format it was shown to trigger complement mediated lysis and synergizes with clone YTH24.5 (Ab00671) which binds a different epitope on human CD45.

Antibody First Published in: Bidon et al. Therapeutic potential of monoclonal antibodies to the leukocyte-common antigen. Synergy and interference in complement-mediated lysis Transplantation. 1985 Nov;40(5):538-44. [PMID:2414870](#)

Note on publication: Describes generation and characterization of the synergistic effect of several anti-CD45 antibodies on lysis.

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.