Anti-CD45 Rabbit Monoclonal Antibody

Catalog #: 50098

Aliases

CD45; Receptor-type tyrosine-protein phosphatase C; Leukocyte common antigen; L-CA; T200; CD45

Background

Gene Name: PTPRC
NCBI Gene Entry: 5788
UniProt Entry: P08575

Application Information

Molecular Weight: Predicted, 147 kDa; observed, 250 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB8380
Species Reactivity: Human
Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

Immunogen

Recombinant protein of human CD45

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.3) containing 50% glycerol, and 0.05% Proclin300.

Storage

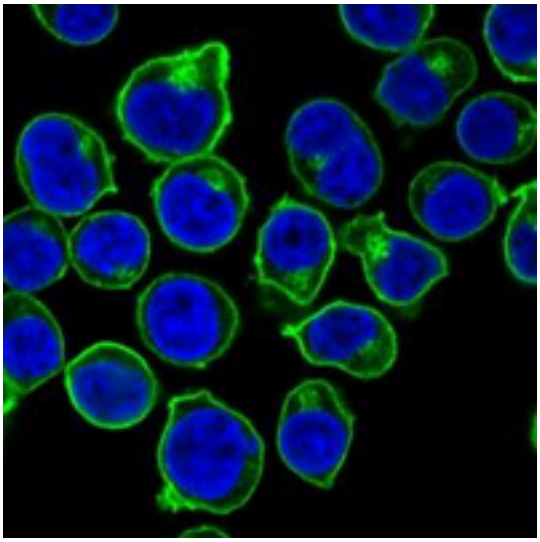
Store at -20 °C for one year.

Recommended Dilutions

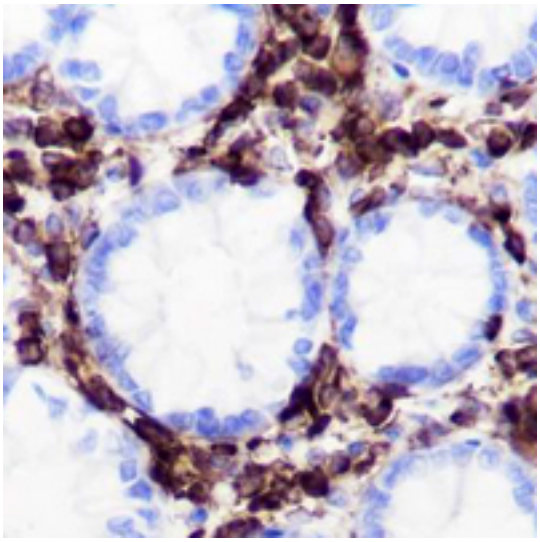
Western Blotting (WB): 1:500-1:1,000
Immunohistochemistry (IHC): 1:100-1:500
Immunocytochemistry (IC): 1:50-1:200

Note: This product is for research use only.

Validation Data



Immunocytochemical analysis of CD45 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of CD45 staining in human colon formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Western blotting analysis of CD45 expression in Jurkat (A) whole cell lysates.