Recombinant Anti-CD45 Rabbit mAb Product Manual

Cat No:GMA1004

Source:Rabbit

Reactivity:H

Applications:WB, IH, IF/IC

*Application Key:

H - Human, M - Mouse, R - Rat, B - Bovine, C - Chicken, D - Dog, G - Goat, Mk - Monkey, P - Pig, Rb - Rabbit, S - Sheep, Z - Zebrafish

*Species Reactivity Key:

E- ELISA, WB - Western blot, IH - Immunohistochemistry, IF - Immunofluorescence, FC - Flow cytometry, IC - Immunocytochemistry, IP - Immunoprecipitation, ChIP - Chromatin Immunoprecipitation, EMSA - Electrophoretic Mobility Shift Assay, BL - Blocking, SE - Sandwich ELISA, CBE - Cell-based ELISA, RNAi - RNA interference

Datasheet

Description： Recombinant rabbit monoclonal antibody to CD45

Immunogen： Recombinant fusion protein of human CD45. The exact sequence is proprietary.

Purification： The antibody was purified by immunogen affinity chromatography.

Clonality： Monoclonal

Form： Liquid in PBS, pH 7.3, 50% glycerol, and 0.05% Proclin300.

Dilution： WB (1/500 - 1/1000), IH (1/100 - 1/500), IF/IC (1/50 - 1/200)

Gene Symbol： PTPRC

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

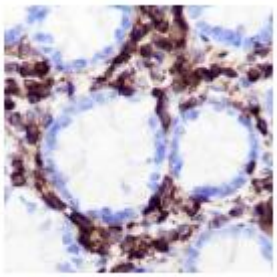
Entrez Gene (Human)： 5788;

SwissProt (Human)： P08575;

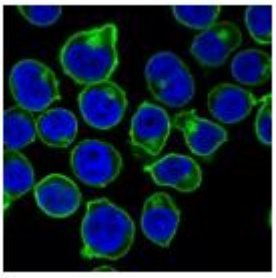
Storage/Stability： Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Validation

Western blot analysis of CD45 expression in Jurkat (A) whole cell lysates. (Predicted band size: 147 kD; Observed band size: 250 kD)



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.



Immunofluorescent 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).