

Anti-CD45 Antibody

Catalog #	Source	Reactivity	Applications
CPA8801	Rat	M	IF, FC

Description	Rat monoclonal antibody to CD45
Immunogen	Mouse thymus or spleen
Purification	The antibody was purified by affinity chromatography.
Specificity	Recognises mouse CD45.
Clonality	Monoclonal (clone: 30-F11)
Conjugation	
Form	Rat IgG2b kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.
Gene Symbol	CD45
Alternative Names	CD45; Receptor-type tyrosine-protein phosphatase C; Leukocyte common antigen; L-CA; T200; CD45
Entrez Gene	19264 (Mouse)
SwissProt	P06800 (Mouse)
Directions for Use	<ol style="list-style-type: none"> 1. Take 100 µl peripheral blood anticoagulated by EDTA and add to the bottom of 5 ml tube. 2. Add appropriate amount of antibody to the bottom of flow tube mixing with the whole blood; incubate for 30 minutes at room temperature. 3. Add 2 ml RBC lysis buffer; incubate for 10 minutes after mixing; dissolve red blood cells. 4. Sample tube is set to 1000 rpm centrifugation for 5 minutes; discard the supernatant. 5. Add 2 ml PBS wash buffer to resuspend the cells; then 1000 rpm centrifugation

Application 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

Species reactivity 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

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Product Data Sheet

for 5 minutes; discard the supernatant.

6. Add appropriate amount of fluorescent-labeled anti-rat IgGs and incubate for 20 minutes away from light at room temperature.

7. Add 2 ml PBS wash buffer to resuspend the cells; then 1000 rpm centrifugation for 5 minutes; discard the supernatant.

8. Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 °C then measured).

Storage/Stability

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

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