

Anti-CD3 Antibody

Catalog #	Source	Reactivity	Applications
CPA8766	Rat	M	IF, FC
Description	Rat monoclonal antibody to CD3		
Immunogen	γδTCR-positive T-T hybridoma D1		
Purification	The antibody was purified by affinity chromatography.		
Specificity	Recognizes mouse CD3		
Clonality	Monoclonal (clone: 17A2)		
Conjugation			
Form	Rat IgG2b kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.		
Dilution			
Gene Symbol	CD3E; CD3G		
Alternative Names	T3E; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD3e; T3G; T-cell surface glycoprotein CD3 gamma chain; T-cell receptor T3 gamma chain; CD3g		
Entrez Gene	12501, 12502 (Mouse)		
SwissProt	P22646, P11942 (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 		

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

supernatant.

5. Add 2 ml PBS wash buffer to resuspend the cells; then 1000 rpm centrifugation 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 and store at 4°C for one year. Do not freeze.

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