

# Product Data Sheet

## Anti-CD45 Antibody-AF488 labeled

Catalog #	Source	Reactivity	Applications
CFL8530	Mouse	H	IF, FC
<b>Description</b>	Mouse monoclonal antibody AF488 labeled to CD45		
<b>Immunogen</b>	Native purified human CD45.		
<b>Purification</b>	The antibody was purified by affinity chromatography.		
<b>Specificity</b>	Recognizes human CD45		
<b>Clonality</b>	Monoclonal (clone: 2D1)		
<b>Conjugation</b>	AF488		
<b>Form</b>	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.		
<b>Dilution</b>	10 µl / assay		
<b>Gene Symbol</b>	PTPRC		
<b>Alternative Names</b>	CD45; Receptor-type tyrosine-protein phosphatase C; Leukocyte common antigen; L-CA; T200; CD antigen CD45		
<b>Entrez Gene</b>	5788 (Human)		
<b>SwissProt</b>	P08575 (Human)		
<b>Directions for Use</b>	<ol style="list-style-type: none"> <li>1. Take 100 µl peripheral blood anticoagulated by EDTA and add to the bottom of 5 ml tube.</li> <li>2. Add 10 µl labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light.</li> <li>3. Add 2 ml RBC lysis buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells.</li> <li>4. Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant.</li> </ol>		

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

6. 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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