

# PerCP/Cyanine5.5 anti-human CD55

**Catalog # /** 2156580 / 100 tests  
**Size:** 2156575 / 25 tests

**Clone:** JS11

**Isotype:** Mouse IgG1,  $\kappa$

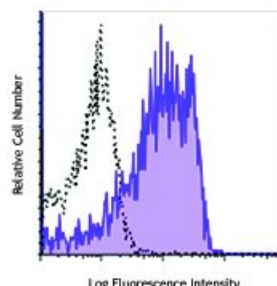
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Workshop Number:** VI N-L060

**Concentration:** 0.2



Human peripheral blood lymphocytes were stained with CD55 (clone JS11) PerCP/Cy5.5 (filled histogram) or mouse IgG1,  $\kappa$  PerCP/Cy5.5 isotype control (open histogram).

## Applications:

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5  $\mu$ l per million cells or 5  $\mu$ l per 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

\* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

**Application References:**

- Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
- Hamann J, *et al.* 1996. *J. Exp. Med.* 184:1185.
- Fujita T, *et al.* 1987. *J. Exp. Med.* 166:1221

**Description:** CD55 is a 60-70 kD glycosylphosphatidylinositol (GPI)-anchored single chain glycoprotein also known as decay-accelerating factor (DAF). It is expressed on hematopoietic cells including erythrocytes and many non-hematopoietic cells. CD55 accelerates the dissociation of the components of the C3-convertases (namely C2a from C4b in the C4bC2a complex, a C3-convertase of the classical pathway, and factor Bb from the C3bBb complex, a C3-convertase of the alternative pathway) to protect cells from inappropriate damage caused by autologous complement. CD55 has been reported to reduce the efficiency of NK cell lysis and induce signal transduction in T cells. CD55 has also been shown to interact with CD97 and bind to Cocksackie and Echovirus.

**Antigen References:**

- Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
- Hamann J, *et al.* 1996. *J. Exp. Med.* 184:1185.
- Fujita T, *et al.* 1987. *J. Exp. Med.* 166:1221