

## cFluor<sup>®</sup> R668 Anti-Human CD3 (SK7)

PRODUCT DETAILS	
<b>Catalog Number:</b>	R7-20107 (100 tests) R7-20108 (25 tests)
<b>Reactivity:</b>	Human, Cross-Reactivity: Chimpanzee
<b>Clone:</b>	SK7
<b>Format:</b>	cFluor <sup>®</sup> R668*
<b>Isotype:</b>	Mouse IgG1, $\kappa$
<b>Volume Per Test:</b>	5 $\mu$ L / test
<b>Application:</b>	Flow cytometry
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% BSA (Origin USA)
<b>Storage:</b>	2-8°C and protected from light. <b>Do not freeze</b>

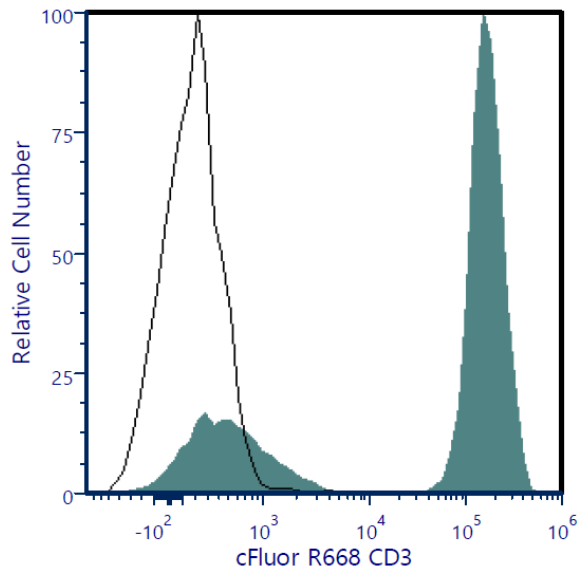
### PRODUCT DESCRIPTION

The SK7 monoclonal antibody binds to human epsilon chain of the CD3 antigen/T-cell antigen receptor, a 20 to 30-kDa protein complex. This complex contains a CD3 $\gamma$ , a CD3 $\delta$ , a CD3 $\zeta$  (CD247), two CD3 $\epsilon$ , and a T-cell receptor ( $\alpha/\beta$  or  $\gamma/\delta$ ) heterodimer <sup>(1)</sup>. CD3 is found on all mature T cells, NK T cells and thymocytes. It plays a role in recognizing antigen, activating cytotoxic T cell and T helper cell, and signal transduction <sup>(2)</sup>. The antibody was conjugated to a fluorophore and purified by affinity chromatography.

### RECOMMENDED USAGE

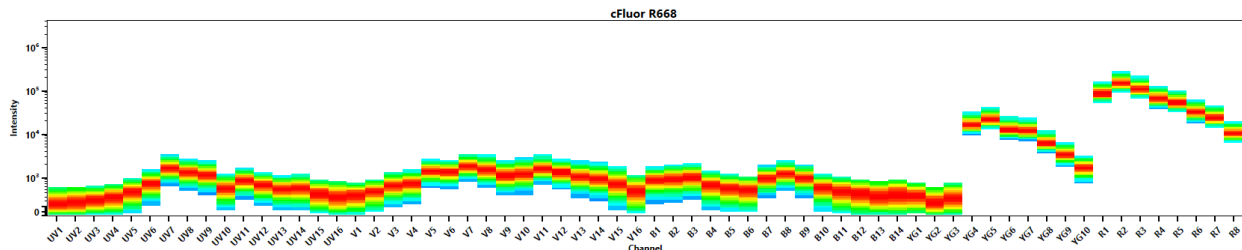
Each lot of this antibody is quality control tested using flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5  $\mu$ L per 1 million cells in a staining volume of 100  $\mu$ L. If whole blood is analyzed, then use 5  $\mu$ L per 100  $\mu$ L. It is recommended that users titrate the antibody to obtain the optimal result for their specific application.

**PRODUCT DATA**



Human peripheral blood was stained with cFluor® R668 Anti-Human CD3 (clone SK7) (filled histogram) or cFluor® R668 mouse IgG1, κ isotype control (open histogram). Data shown is gated on lymphocytes.

Spectral signature of cFluor® R668 from a Cytek® Aurora 5 laser system equipped with 355 nm, 405 nm, 488 nm, 561 nm and 640 nm lasers using CytekAssaySettings.



**REFERENCES**

1. Dong, D., et al. 1981. Nature. 573, 546–552
2. Weiss A, et al. 1991. Semin Immunol. (5):313-24

**For Research Use Only. Not intended for use in diagnostic procedures.**

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Cytek Biosciences Inc. | 46107 Landing Parkway, Fremont, CA 94538

Phone: +1 (510) 657-0102 | Fax: +1 (510) 657-0151 | cytekbio@cytekbio.com | www.cytekbio.com