

CD3 (SK7)

Type	Size	Catalog number
unconjugated	100µg	111001
	500µg	111003
FITC	25 tests	111014
	100 tests	111015
	200 tests	111016
PE	25 tests	111024
	100 tests	111025
	200 tests	111026
APC	25 tests	111044
	100 tests	111045
	200 tests	111046
PerCP	25 tests	111034
	100 tests	111035
	200 tests	111036
PE-Cyanine5	25 tests	111074
	100 tests	111075
	200 tests	111076
PE-Cyanine7	25 tests	111084
	100 tests	111085
	200 tests	111086
APC-iFluor™ 700	25 tests	1110174
	100 tests	1110175
	200 tests	1110176
PerCP-Cyanine5.5	25 tests	111064
	100 tests	111065
	200 tests	111066
iFluor™ 488	25 tests	1110114
	100 tests	1110115
	200 tests	1110116
iFluor™ 647	25 tests	1110124
	100 tests	1110125
	200 tests	1110126
iFluor™ 700	25 tests	1110194
	100 tests	1110195
	200 tests	1110196
mFluor™ 450	25 tests	1110144
	100 tests	1110145
	200 tests	1110146

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Antigen:

CD3ε

Caprico Biotechnologies, 400 Pinnacle Way, Suite 430, Norcross, GA 30071
 Phone: +1 (678) 691-2143 Technical Support Ext 102, Fax: (678) 691-2223
 Email: techsupport@capricobio.com
www.CapricoBio.com

Immunogen:	Human Thymocytes
Host/Isotype:	Mouse, IgG1, κ
Reactivity:	Human, Chimpanzee
Purity:	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation:	PBS, pH7.2, 0.09%NaN ₃ (unconjugated) PBS, pH7.2, 0.09% NaN ₃ and 0.2% (w/v) BSA (conjugated)
Storage:	Store at 2-8°C and protected from prolonged exposure to light. Do not freeze.
Applications:	Flow Cytometry

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Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5 μ g (unconjugated, Biotin) or 5 μ l (conjugated) of these products are sufficient for staining 1 million cells in a 100 μ l staining volume or 100 μ l of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

Antigen Information

The monoclonal SK7 clone recognizes antigen CD3 ϵ epsilon, a 20KDa transmembrane cell-surface protein that belongs to the immunoglobulin superfamily. The CD3 complex contains a CD3 γ chain, a CD3 δ chain, and two CD3 ϵ chains. These integral membrane protein chains assemble with additional chains of the T cell receptor (TCR), as well as CD3 zeta chain, to form the T cell receptor – CD3 complex. Together with co-receptors CD4 or CD8, the complex serves to recognize antigens bound to MHC molecules on antigen-presenting cells. CD3 ϵ is expressed on T lymphocytes, NK-T cells, and to a varying degree in developing thymocytes. CD3 plays central roles in TCR signaling, T lymphocyte activation, and antigen recognition.

References

1. Brown V, et al. 1987. Leuk Res. 11:903.
2. Salter DM, et al. 1985. J. Pathol. 146:345.
3. Blanchard N et al. 2002. J. Immunol. 168:3235-3241
4. Cavassani et al. 2006. J. Immunol. 177:5811-5818.

Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.