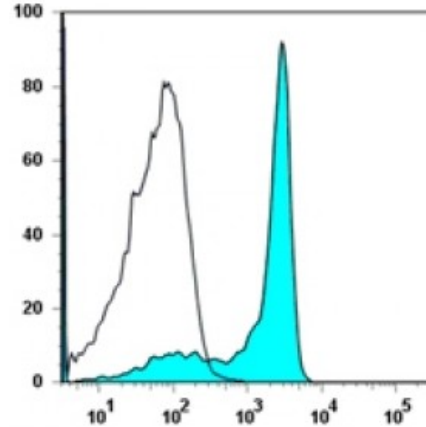


## APC/Cy7 anti-human CD27

<b>Catalog # / Size:</b>	2114075 / 25 tests 2114080 / 100 tests
<b>Clone:</b>	O323
<b>Isotype:</b>	Mouse IgG1, $\kappa$
<b>Reactivity:</b>	Human
<b>Preparation:</b>	The antibody was purified by affinity chromatography, and conjugated with APC/Cy7 under optimal conditions. The solution is free of unconjugated APC/Cy7 and unconjugated antibody.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
<b>Workshop Number:</b>	IV T-186
<b>Concentration:</b>	Lot-specific



Human peripheral blood lymphocytes stained with O323 APC/Cy7 and overlaid with isotype control

## Applications:

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. <b>Test size products are transitioning from 20 microL to 5 microL per test.</b> Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Application References:</b>	<ol style="list-style-type: none"><li>Knapp W, <i>et al.</i> Eds. 1989. Leucocyte Typing IV. Oxford University Press. New York.</li><li>Marek N, <i>et al.</i> 2010. <i>Hum Immunol.</i> 71:666. <a href="#">PubMed</a></li><li>Correia DV, <i>et al.</i> 2011. <i>Blood</i> 118:992. (FC) <a href="#">PubMed</a></li><li>Rahman A, <i>et al.</i> 2013. <i>Clin Vaccine Immunol.</i> 20:1592. <a href="#">PubMed</a></li><li>Cao RG, <i>et al.</i> 2014. <i>J Infect Dis.</i> 210:224. <a href="#">PubMed</a></li><li>Cunnusamy K, <i>et al.</i> 2014. <i>Clin Immunol.</i> 152:115. <a href="#">PubMed</a></li><li>Cohen K, <i>et al.</i> 2014. <i>J Virol.</i> 88:13310. <a href="#">PubMed</a></li></ol>

<b>Description:</b>	CD27 is a 50-55 kD type I membrane protein also known as S152 and T14. It is a lymphocyte-specific member of the TNF-receptor superfamily. CD27 is expressed on medullary thymocytes, virtually all mature T cells, some B cells, and NK cells. CD27 binds to CD70 and plays an important role in costimulation of T cell activation, and regulation of B cell differentiation and proliferation. The cytoplasmic domains of CD27 have also been shown to interact with TRAF2 and TRAF5 to elicit NF- $\kappa$ B and SAPK/JNK activation.
<b>Antigen References:</b>	<ol style="list-style-type: none"><li>Hintzen R, <i>et al.</i> 1994. <i>Immunol. Today</i> 15:307.</li><li>Agematsu K, <i>et al.</i> 1995. <i>J. Immunol.</i> 154:3627.</li></ol>