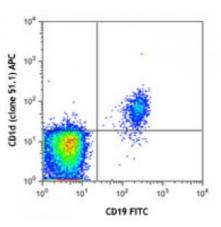
## **Product Data Sheet**

## **APC anti-human CD1d**

Catalog # / Size:	2351535 / 25 tests 2351540 / 100 tests
Clone:	51.1
Isotype:	Mouse IgG2b, к
Immunogen:	Human CD1d-Fc fusion
<b>Reactivity:</b>	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
<b>Concentration:</b>	Lot-specific



Human peripheral blood lymphocytes were stained with CD19 FITC and CD1d (clone 51.1) APC (top) or mouse IgG2b, κ APC isotype control (bottom).

## **Applications:**

Applications:	Flow Cytometry	2 10 <sup>3</sup>
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. <b>Test size products are transitioning</b> <b>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.	v (CC) 10 <sup>2</sup> 10 <sup>1</sup> 10 <sup>1</sup> 10 <sup>1</sup> 10 <sup>2</sup> 10 <sup>3</sup> CD19 FITC
Application Notes:	Additional reported application (for the relevant formats) include: immunohistochemical staining of frozen tissue sections1, Western blotting <sup>1,2</sup> , and induction of IL-12 production by crosslinking of CD1d3.	
Application References:	<ol> <li>Exley M, <i>et al.</i> 2000. <i>Immunology</i> 100:37. (IHC, WB)</li> <li>Durante-Mangoni E, <i>et al.</i> 2004. <i>J. Immunol.</i> 173:2159. (WB)</li> <li>Yue SC, <i>et al.</i> 2005. <i>P. Natl. Acad. Sci. USA</i> 102:11811. (Stim)</li> <li>van der Vlugt LE, <i>et al.</i> 2014. <i>J Infect Dis.</i> PubMed</li> </ol>	
Description	CD1d is a MHC like, type I transmombrane	a protain member of the CD1 f

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products. Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com presentation of peptides to T cells.

- Antigen 1. Koch M, et al. 2005. Nat. Immunol. 6:819. 2. Liu X, et al. 2010. P. Natl. Acad. Sci. USA 107:13010. **References:** 3. Zeissig S, et al. 2010. J. Clin. Invest. 120:2889.

  - 4. Teige A, et al.